Catch and Effort Statistics of the Canadian Groundfish Fishery on the Pacific Coast in 1985

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ABSTRACT

Leaman, J. E. 1986. Catch and effort statistics of the Canadian groundfish fishery on the Pacific coast in 1985. Can. Tech. Rep. Fish. Aquat. Sci. 1508: 80 p.

Catch and effort statistics for the Canadian groundfish fishery (excluding halibut) on the Pacific coast in 1985 are presented. Statistics are shown by major areas, minor areas, and International North Pacific Fisheries Commission areas in metric tonnes (t). Total landings in 1985 were 45,160 t, 17% above the total for 1984. The bulk (85%) of the catch was taken by trawl gear. The main species landed were Pacific ocean perch, hake, lingcod, sablefish, silvergray rockfish, dogfish, and Pacific cod.

Key words: catch statistics, effort statistics, groundfish, Pacific coast

RESUME

Leaman, J. E. 1986. Catch and effort statistics of the Canadian groundfish fishery on the Pacific coast in 1985. Can. Tech. Rep. Fish. Aquat. Sci. 1508: 80 p.

On présente des stastistiques sur l'effort et les prises relatives à la pêche canadienne du poisson de fond (sauf le flétan) sur la côte du Pacifique en 1985. Les statistiques, en tonnes métriques (t), portent sur les principales zones, les zones secondaires et les zones établies par la Commission internationale des pêcheries du Pacifique nord. En 1985, les débarquements totalisaient 45 160 t, soit 17 % de plus qu'en 1984. La plus grande partie des prises (85 %) a été réalisée au chalut. Les principales espèces capturées étaient le sébaste à longue mâchoire, le merlu du Pacifique, la morue-lingue, la morue charbonnière, le sébaste argenté, l'aiguillat et la morue du Pacifique.

Mots-clés: statistiques des prises, statistiques de l'effort, poisson de fond, côte du Pacifique

INTRODUCTION

The Canadian fishery for groundfish along Canada's west coast involves many species of demersal fishes, the majority of which are caught by bottom and midwater trawls. The remaining catch is taken by trap, longline, handline and troll. Excluding halibut, these groundfish landings contributed an average of 33,548 metric tonnes (t) to the annual fish production of Canada during 1975-84. The total landings of major groundfish species, caught by all types of gear from all areas on the Pacific coast during 1975-85, are shown in Table 1.

The Fisheries Research Branch, Pacific Biological Station, Nanaimo, B.C., maintained port liaison officers at Vancouver, Steveston and Prince Rupert during 1985. These persons conducted interviews with captains of trawl, longline and trap vessels to collect information on effort expended for groundfish catches, by species, area and depth as well as other pertinent data. The landings not covered by these interviews were obtained from the sales slips collected by the Statistics Division of Fisheries Management in Vancouver. All available 1985 data are included in this report. While changes are rare, individuals using these data for analyses should refer to the author for confirmation.

Total 1985 landings of 45,160 t were 35% above the 1975-84 mean and 17% above the 1984 level. Pacific ocean perch and various rockfish species were the dominant landings, accounting for 39% of the total catch. There were increases in landings of lingcod (5,668 t), hake (6,055 t), rockfish species (17,778 t), and pollock (1,895 t). Landings of Pacific cod (2,342 t), Dover sole (963 t), rock sole (430 t), and English sole (692 t) showed decreases from 1984 catches.

This portion of the document is the traditional report of landings (t) by species, by discrete domestic (minor) fishing areas and by larger United States-Canadian (major) areas, commonly called Pacific Marine Fisheries Commission (PMFC) areas.

MAJOR STATISTICAL AREA DIVISIONS

Standardization between Canada and the United States in reporting of groundfish catches on the Pacific coast has resulted in assignment of catches to certain major statistical areas. In the United States these international areas are used by the Pacific Marine Fisheries Commission in their annual summaries of catch statistics. Figure 1 illustrates the major statistical areas off British Columbia and gives their numerical designation. The following is a complete description of the boundaries of these areas.

AREA 3B--NORTHWEST WASHINGTON COAST

From latitude 47°20'N to a line bearing 220° True from the mid-point of the Bonilla-Tatoosh line and crossing said parallel of latitude. This area

Table 1. Total Canadian landings[a] (t) of groundfish by species, taken by all gear from all areas on the Pacific coast, 1975–85.

Species	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	Mean 1975–84	1985
English sole	1,100	1,307	1,469	809	1,069	1,244	1,500	559	532	812	1040	692
Rock sole	1,740	2,157	1,252	1,312	1,874	1,843	1,059	745	668	525	1318	430
Petrale sole	442	340	289	230	202	222	290	367	439	417	324	336
Dover sole	1,030	1,158	700	736	861	1,273	1,245	914	871	1148	994	963
Rex sole	99	133	99	102	203	145	190	74	49	219	131	205
Starry flounder	91	50	89	74	296	118	198	168	66	170	132	66
Turbot	953	1,310	1,599	2,326	1,826	1,448	946	525	323	369	1163	764
Other flatfish	2	9	15	25	59	57	183	220	199	141	91	161
Pacific cod	10,272	10,107	7,717	6,750	9,554	8,703	6,708	4,810	4,505	3,465	7,259	2,342
Lingcod	2,846	2,320	2,248	2,004	2,098	2,151	2,467	4,162	3,755	3,688	2,774	5,668
Sablefish	925	795	1,088	831	2,031	3,793	3,888	3,976	4,414	3,855	2,559	4,275
Pollock	103	1,322	890	2,407	3,387	2,201	1,251	924	1,070	800	1,435	1,895
Hake	–	–	2	2	818	606	5,691	2,826	3,122	4,600	1,767	6,055
Pacific ocean perch	2,040	1,745	2,716	3,864	2,819	5,290	5,103	5,983	5,655	6,698	4,191	6,069
Other rockfish	1,214	2,543	5,235	6,608	5,962	4,476	4,857	5,093	7,024	8,512	5,152	11,709
Misc. species	182	220	289	163	215	303	266	141	156	175	211	192
Dogfish	714	242	1,730	3,126	4,757	4,547	1,151	3,875	3,274	2,510	2,593	2,815
Animal food	37	100	49	112	214	191	42	65	94	161	107	309
Reduction	211	299	181	302	240	528	302	450	321	244	308	214
Total	24,001	26,157	27,657	31,783	38,485	39,139	37,337	35,877	36,537	38,509	33,548	45,160

[a]Does not include catches from joint-venture or foreign fishery, see Table 61.

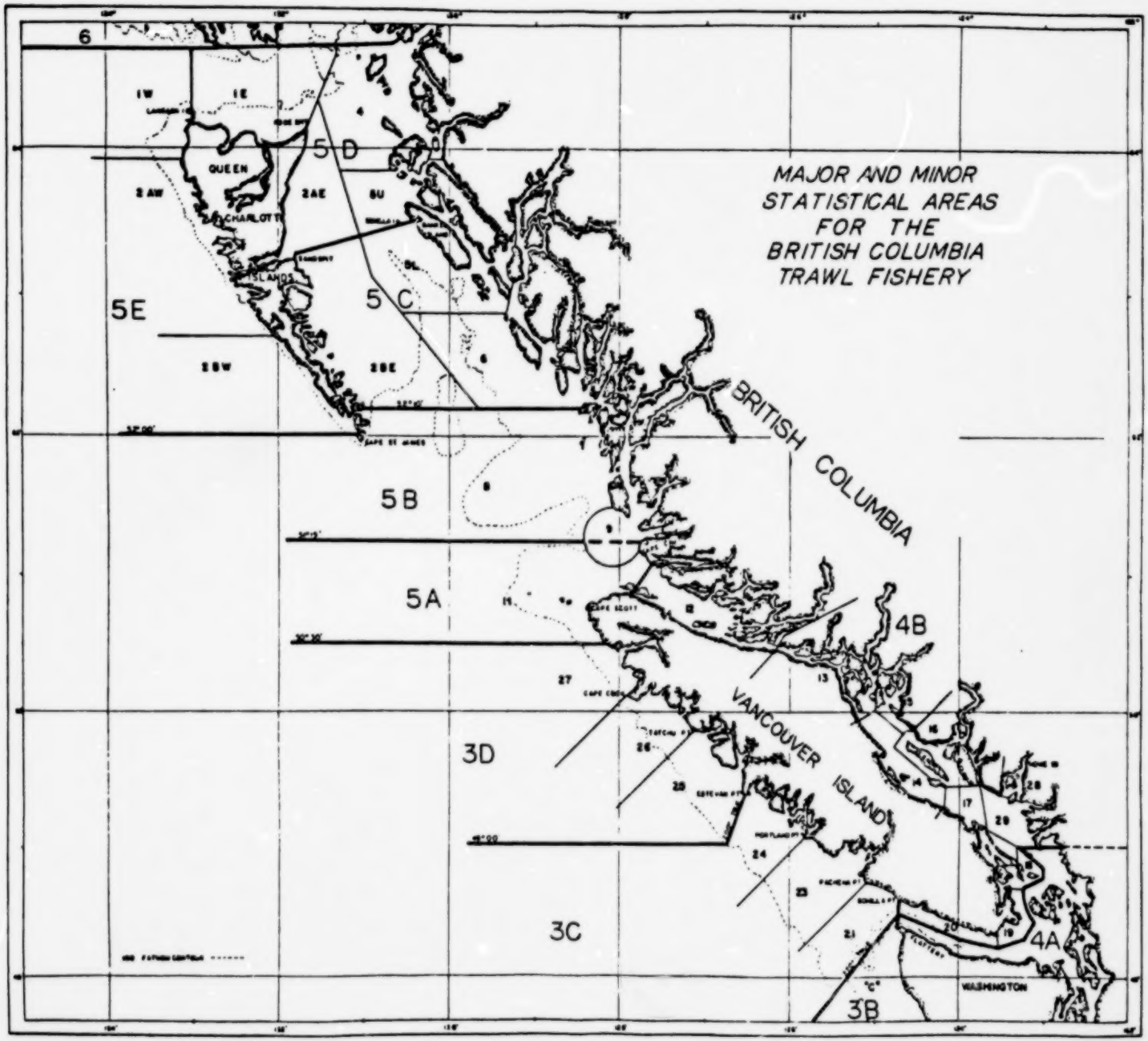

MAJOR AND MINOR
STATISTICAL AREAS
FOR THE
BRITISH COLUMBIA
TRAWL FISHERY
BRITISH COLUMBIA
VANCOUVER ISLAND
QUEEN CHARLOTT ISLANDS
WASHINGTON
6
5E
5D
5C
5B
5A
4B
4A
3D
3C
3B
1W
1E
2AW
2AE
2BW
2BE

Fig. 1.

includes the Quillayute and Umatilla Reef grounds and the shallow waters off Cape Flattery.

AREA 3C--SOUTHWEST COAST VANCOUVER ISLAND

From the northern boundary of Area 3B to a line bearing 200° True from Estevan Point southward to the 49° parallel of latitude, thence westward along said parallel. This area includes the Cape Flattery Spit, the Swiftsure Bank, La Pérouse Bank (Big Bank or 40 mile Bank), the Cabbage Patch, the Firing Range, the Lennard Island and Sydney Inlet grounds, and the inshore waters of Barkley Sound.

AREA 3D--NORTHWEST COAST VANCOUVER ISLAND

From the northern boundary of Area 3C to latitude 50°30'N. This area includes the Nootka, Esperanza, and Kyuquot grounds as well as the Estevan Deep.

AREA 4A--PUGET SOUND

The United States territorial waters inside the Bonilla-Tatoosh line including the Juan de Fuca Strait and Puget Sound. No Canadian catch from this area.

AREA 4B--STRAIT OF GEORGIA

The Canadian waters from the Bonilla-Tatoosh line inside to a line drawn north and south (Mag.) through Pine Island at the upper end of Queen Charlotte Strait. This area, defined simply as the Strait of Georgia, includes all Canadian inshore grounds of Juan de Fuca Strait, Johnstone and Queen Charlotte Straits, and Georgia Strait.

AREA 5A--SOUTH QUEEN CHARLOTTTE SOUND

From the northern boundaries of Areas 4B and 3D to latitude 51°15'N. This area includes all grounds incorporated in the Cape Scott Bank and a portion of the grounds in the gully between the Cape Scott Bank and the Goose Island Bank. It also includes catches from the Virgin Rocks ground.

AREA 5B--NORTH QUEEN CHARLOTTE SOUND

From latitude 51°15'N to latitude 52°00'N on the westward side of Cape St. James and from latitude 51°15'N to latitude 52°10'N on the eastward side of Cape St. James. This area includes all grounds associated with the Goose Island Bank and the remaining portion of the grounds in the gully between the Goose Island Bank and the Cape Scott Bank.

AREA 5C--SOUTH HECATE STRAIT

From latitude 52°10'N to a line drawn from Spit Point (Sandspit) on Moresby Island to the southern tip of Bonilla Island. This area includes the grounds known as the "Horseshoe" and the "Ole Spot" in the central region of the Strait.

AREA 5D--NORTH HECATE STRAIT

From the northern boundary of Area 5C to latitude 54°40'N, limited to the westward by longitude 133°W across Dixon Entrance. This area includes the Two Peaks ground (northeast of Rose Spit), the Butterworth-Warrior edge, the Fingers (southwest of Archibald Island), the Oval Hill ground, the White Rock ground (northwest of Bonilla Island), the Skidegate Inlet ground, the Fife Point ground, the southwest Seal Rocks ground, and grounds in Dixon Entrance.

AREA 5E--WEST COAST QUEEN CHARLOTTE ISLANDS

From latitude 52°00'N to 54°40'N, limited to the eastward by longitude 133°W across Dixon Entrance.

AREA 6--ALASKA

Encompasses waters bounded on the south by latitude 54°40'N and on the west by longitude 147°W.

MINOR STATISTICAL AREA DIVISIONS

Minor areas are used to give more detailed information on region of capture of groundfish. They are areas within major areas and are basically the former Fisheries Management statisitical areas with some modifications. Figure 2 illustrates the areas, the modifications are catalogued below:

1. Minor Area 1 has been divided into to minor areas, 1E and 1W. This boundary lies along longitude 133°W.

2. Minor Area 2 West has been divided into two minor areas, 2AW and 2BW. This boundary lies along 52°40'N latitude.

3. The boundary between Area 2 East and Area 4 has been shifted northwestward to Rose Spit. Area 4 was expanded to bring the whole of the "Two Peaks" and "Dundas" grounds within Area 4. This has meant the elimination of Area 3.

4. Minor Area 5 has been divided into two sub-areas, designated 5U and 5L, this boundary lies along the Sandspit-Bonilla Island line, which is the internationally agreed line of division between north and south Hecate Strait (Areas 5D and 5C).

5. The boundary between Areas 5D and 5C has been continued through Area 2 East to divide it into two minor areas, 2AE and 2BE.

6. The southern boundary of Areas 2 East and 6 has been shifted to lie along 52°10'N latitude to conform with the boundary between Areas 5C and 5B.

7. Area 8 has been expanded to include the whole of the Goose Island Bank. This has involved (a) shifting the northern boundary and eliminating Area 7, (b) shifting the southern boundary and eliminating the offshore portion of Area 9, and (c) the elimination of Area 30, previously used for offshore catches in Queen Charlotte Sound. There is, in this report, no westward limit to Area 8.

8. Area 9 has been changed and is now a circle 24 mi in diameter surrounding the Sea Otter group and the Virgin Rocks ground. It is considered to be part of Area 5A.

9. Area 11 has been expanded to include all of the Cape Scott Bank. This has meant the elimination of Area 10 and the addition of the part of Area 27 lying northward of 50°30'N latitude. This is to conform with the boundary between Areas 5A and 3D.

10. The western limit of area 12 is now Bates Passage.

11. The boundary between Areas 24 and 25 has been shifted to lie along the boundary between Areas 3D and 3C.

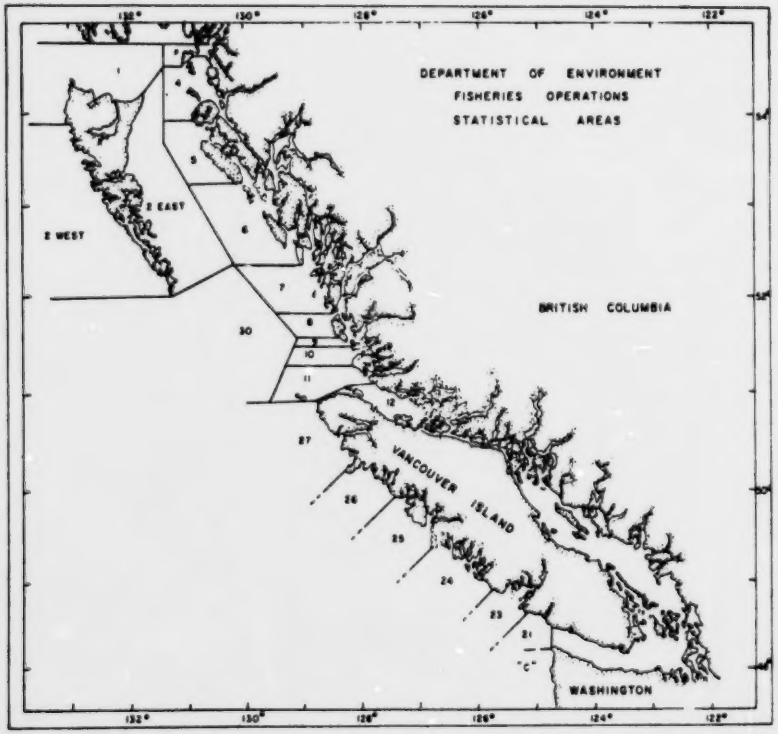
12. The boundary between Areas 23 and 24 has been shifted northwards to Portland Point and it lies on a bearing of 225° True. This is to bring the whole of the ground known as Firing Range (which formerly lay on the boundary between these two areas) entirely within Area 23.

All other minor areas remain the same as those defined by the Fisheries Management Statistical Chart.

The following shows the relationship between the major and the minor areas:

Major areas		Minor areas
6	Alaska	Southeastern, Yakutat[1]
5E	West Coast Queen Charlotte Islands	1W, 2AW, 2BW
5D	North Hecate Strait	1E, 2AE, 3, 4, 5U
5C	South Hecate Strait	2BE, 5L, 6
5B	North Queen Charlotte Sound	8
5A	South Queen Charlotte Sound	9, 11
3D	Northwest Coast Vancouver Island	27, 26, 25
3C	Southwest Coast Vancouver Island	24, 23, 21
3B	Northwest Washington Coast	"C"
4B	Strait of Georgia[2]	12, 13, 14, 15, 16, 17, 18, 19, 20, 28, 29

[1]Southeastern - from 54°40'N to 137°W. Yakutat from 137°W to 147°W.
[2]Including Johnstone and Queen Charlotte Straits and the Canadian portion of the Strait of Juan de Fuca.


DEPARTMENT OF ENVIRONMENT
FISHERIES OPERATIONS
STATISTICAL AREAS
BRITISH COLUMBIA
2 WEST
2 EAST
VANCOUVER ISLAND
"C"
WASHINGTON

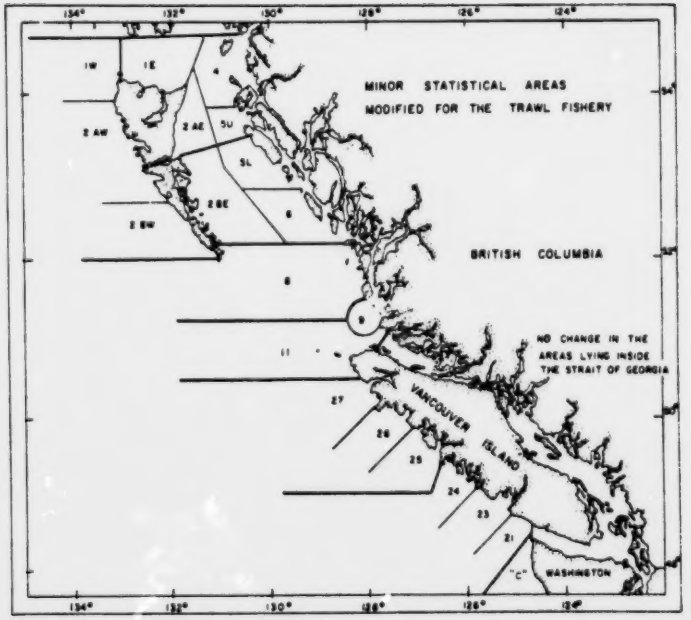

MINOR STATISTICAL AREAS
MODIFIED FOR THE TRAWL FISHERY
BRITISH COLUMBIA
NO CHANGE IN THE
AREAS LYING INSIDE
THE STRAIT OF GEORGIA
VANCOUVER ISLAND
"C"
WASHINGTON

Fig. 2.

TRAWL FISHERY

In 1985, catch and effort data were collected by port liaison officers for 70%, by weight, of the total trawl landings. Through the cooperation of the Statistics Division, Field Services Branch, the remaining 30% of the landings were recorded from sales slips, from which no effort (hours fished) is available. Catch-per-unit-effort (CPUE) statistics obtained from the interview data were used to estimate the effort expended for the catch reported on these sales slips.

From total landed catch and total estimated effort data, an average CPUE (t/h) was calculated for each major fishing area. Also calculated was the percentage of total catch and effort expended in each of these areas. These last two statistics show relative importance of each area, and are used in the calculation of the "success ratio". This parameter is defined as the percent of total catch divided by percent of total effort.

Total landings in 1985 (excluding dumped[3] and discarded[4] fish) by the British Columbia trawl fleet were 38,491 t, 21% above the total for 1984. Effort expended increased 9% to 37,110 hours resulting in an overall CPUE of 1.037 t/h, 11% above the 1984 rate.

Pacific ocean perch was the strongest contributor to the trawl fishery with landings of 6,069 t, even though it declined 9% from 1984. Total rockfish landings were 16,923 t and comprised 44% of the total trawl landings. Trawl landings of lingcod at 4,853 t rose 63% from 1984. Pollock and dogfish landings (1,895 t and 1,915 t, respectively) were more than double those of the previous year. There were also marked increases in landings of hake (6,055 t), silvergray rockfish (3,412 t) and redstripe rockfish (1,579 t). Pacific cod landings dropped 33% to 2,328 t - the lowest level since 1961. There were decreases in landings of Dover sole (963 t), English sole (692 t) and rock sole (430 t).

Annual trawl catch and effort data are shown in Tables 2-6. Landings by major area, month and species are presented in Tables 7-14. Landings by minor area, month and species are given in Tables 15-41.

AREA 4B--STRAIT OF GEORGIA

Total landings (6,785 t) from this area increased 13% while the effort declined 20%, resulting in an increased CPUE of 1.536 t/h. This was due to the larger landings of hake and pollock which accounted for 84% of the catch. Pacific cod and dogfish were the other main species caught.

AREA 3C--SOUTHWEST COAST OF VANCOUVER ISLAND

This area contributed 21% of the total British Columbia trawl production, with substantial increases in catch (7,911 t), effort (9,327 h) and CPUE (0.848 t/h). Lingcod landings (3,416 t) were almost double those of the previous year. Dogfish and hake were the other main species landed from this area.

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[3]Fish caught and retained but eventually rejected at the plant as being unsuitable for any utilization.

[4]Fish caught and discarded at sea by fishermen.

AREA 3D--NORTHWEST COAST OF VANCOUVER ISLAND

Both the total catch (3,629 t) and total effort (3,936 h) showed increases from 1984, resulting in approximately the same level of CPUE (0.922 t/h). Rockfish landings of 2,990 t, of which silvergray rockfish (812 t), canary rockfish (727 t), yellowmouth rockfish (412 t) and Pacific ocean perch (408 t) were the dominant species, accounted for 82% of the total.

AREA 5A--SOUTH QUEEN CHARLOTTE SOUND

Total landings (2,212 t), effort (3,948 h) and CPUE (0.560 t/h) all rose slightly from the previous year. Silvergray rockfish, lingcod, and Pacific cod were the major species caught from this area.

AREA 5B--NORTH QUEEN CHARLOTTE SOUND

Total catch (4,905 t), effort (4,940 h), and CPUE (0.993 t/h) all were at lower levels than in 1984. Pacific ocean perch remained the prevailing species even though landings declined 11% to 2,163 t. The other main species taken were silvergray rockfish, lingcod, and yellowmouth rockfish.

AREA 5C--SOUTH HECATE STRAIT

Total landings (2,087 t) and CPUE (1.226 t/h) showed increases, 44% and 41% respectively, from the previous year. Rockfish landings of 1,697 t, of which silvergray rockfish (734 t) and Pacific ocean perch (468 t) were the major species, contributed 81% of the total catch from this area.

AREA 5D--NORTH HECATE STRAIT

There was a 10% decrease in the amount of effort (5,655 h) expended in this area but a 10% rise in the level of CPUE (0.813 t/h). The main species caught in this area were pollock, Pacific cod, Dover sole, English sole, and turbot.

AREA 5E--WEST COAST QUEEN CHARLOTTE ISLANDS

Both total landings (6,366 t) and total effort (3,183 h) showed increases, 23% and 48% respectively. This resulted in an overall decrease of 16% in CPUE (2.000 t/h). Total rockfish landings of 5,835 t accounted for 92% of the total catch of which Pacific ocean perch (2,748 t), redstripe rockfish (1,178 t), yellowmouth rockfish (657 t) and rougheye rockfish (612 t) were the dominant species.

The following species were observed in trawl landings in British Columbia in 1985.

Family and common name	Scientific name
Fishes	
Acipenseridae	
Green sturgeon	Acipenser medirostris Ayres
Anarhichadidae	
Wolf-eel	Anarrhichthys ocellatus Ayres
Anoplopomatidae	
Sablefish	Anoplopoma fimbria (Pallas)
Clupeidae	
American shad	Alosa sapidissima (Wilson)
Embiotocidae	
Pile perch	Rhacochilus vacca (Girard)
Gadidae	
Pacific cod, true cod or gray cod	Gadus macrocephalus Tilesius
Pacific hake	Merluccius productus (Ayres)
Walleye pollock	Theragra chalcogramma (Pallas)
Hexagrammidae	
Lingcod	Ophiodon elongatus Girard
Hexanchidae	
Sixgill shark	Hexanchus griseus (Bonnaterre)
Pleuronectidae	
Arrowtooth flounder or turbot	Atheresthes stomias (Jordan and Gilbert)
Petrale sole	Eopsetta jordani (Lockington)
Rex sole	Glyptocephalus zachirus Lockington
Flathead sole	Hippoglossoides elassodon Jordan and Gilbert
Rock sole	Lepidopsetta bilineata (Ayres)
Dover sole	Microstomus pacificus (Lockington)
English sole	Parophrys vetulus Girard
Starry flounder	Platichthys stellatus (Pallas)
Sand sole	Psettichthys melanostictus Girard
Rajidae	
Big skate	Raja binoculata Girard
Longnose skate	Raja rhina Jordan and Gilbert
Scorpaenidae	
Rougheye rockfish	Sebastes aleutianus (Jordan and Evermann)
Pacific ocean perch	Sebastes alutus (Gilbert)

Family and common name	Scientific name
Redbanded rockfish	Sebastes babcocki (Thompson)
Shortraker rockfish	Sebastes borealis Barsukov
Silvergray rockfish	Sebastes brevispinis (Bean)
Darkblotched rockfish	Sebastes crameri (Jordan)
Splitnose rockfish	Sebastes diploproa (Gilbert)
Greenstriped rockfish	Sebastes elongatus Ayres
Widow rockfish	Sebastes entomelas (Jordan and Gilbert)
Yellowtail rockfish	Sebastes flavidus (Ayres)
Rosethorn rockfish	Sebastes helvomaculatus Ayres
Quillback rockfish	Sebastes maliger (Jordan and Gilbert)
Black rockfish	Sebastes melanops Girard
Bocaccio	Sebastes paucispinis Ayres
Canary rockfish	Sebastes pinniger (Gill)
Redstripe rockfish	Sebastes proriger (Jordan and Gilbert)
Yellowmouth rockfish	Sebastes reedi (Westrheim and Tsuyki)
Yelloweye rockfish	Sebastes ruberrimus (Cramer)
Harlequin rockfish	Sebastes variegatus Quast
Sharpchin rockfish	Sebastes zacentrus (Gilbert)
Shortspine thornyhead	Sebastolobus alascanus Bean
Squalidae	
Spiny dogfish	Squalus acanthias Linnaeus
INVERTEBRATES	
Cancridae	
Dungeness crab	Cancer magister Dana
Octopoda	
Octopus or devilfish	Octopus sp.
Pectinidae	
Scallop	Scallop sp.
Teuthoidea	
Squid	Loligo opalescens Berry

Table 2. Total catch (t) (excludes dumped and discarded fish) and related effort[a] (h) for the British Columbia trawl fleet in 1985.

	Major area									
	4B		3C		3D		5A		5B	
Month	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	124.29	525	151.98	305	614.03	441	2.01	8	48.15	16
February	838.39	721	284.35	294	333.18	312	186.11	128	155.13	99
March	2752.79	870	510.89	512	272.24	332	191.08	247	757.54	345
April	1906.65	483	812.28	643	481.46	498	196.95	210	1182.43	841
May	137.82	199	1006.56	1237	810.24	1004	325.82	826	284.86	316
June	44.80	209	1110.25	1689	227.25	364	431.61	864	523.40	952
July	13.87	62	1943.72	2318	187.71	319	297.43	546	778.76	1301
August	30.80	132	629.21	1134	149.83	228	55.49	185	192.19	230
September	61.85	249	611.44	622	14.55	60	273.96	456	198.24	282
October	314.91	239	648.86	365	254.30	194	113.32	298	744.44	506
November	396.10	518	96.61	111	161.77	101	27.07	62	24.39	27
December	163.11	211	105.10	97	121.96	83	111.21	118	15.86	25
Total	6785.38	4418	7911.25	9327	3628.52	3936	2212.06	3948	4905.39	4940
CPUE (t/h)	1.536		0.848		0.922		0.560		0.993	
% catch	17.63		20.55		9.43		5.75		12.74	
% effort	11.90		25.13		10.61		10.64		13.31	
Success ratio	1.48		0.82		0.89		0.54		0.96	

Table 2 (cont'd)

Month	Major area							
	5C		5D		5E		Total	
	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	46.37	67	614.27	640	537.65	193	2138.75	2195
February	342.02	146	278.48	744	357.53	211	2775.19	2655
March	427.37	383	123.42	411	619.79	433	5655.12	3533
April	288.27	209	151.03	441	806.41	379	5825.48	3704
May	282.70	168	295.78	558	1383.62	554	4527.40	4862
June	83.45	41	495.15	662	651.84	352	3567.75	5133
July	26.91	58	934.42	862	199.64	109	4382.46	5575
August	7.58	7	259.91	296	88.40	48	1413.41	2260
September	116.77	177	277.84	247	788.98	381	2343.63	2474
October	114.20	138	273.66	296	456.08	260	2919.77	2296
November	275.55	242	500.29	317	319.57	202	1801.35	1580
December	76.17	67	391.23	181	156.20	61	1140.84	843
Total	2087.36	1703	4595.48	5655	6365.71	3183	38491.15	37110
CPUE (t/h)	1.226		0.813		2.000		1.037	
% catch	5.42		11.94		16.54			
% effort	4.59		15.24		8.58			
Success ratio	1.18		0.78		1.93			

[a]This effort was prorated using the known CPUE obtained from interviews which accounted for 70% of the total catch.

Table 3. Total British Columbia trawl landings (t) by main species and major area in 1985 (excluding dumped and discarded fish).

Species	Major area								
	4B	3C	3D	5A	5B	5C	5D	5E	Total
English sole	16.17	61.09	4.20	7.22	17.05	15.28	570.06	0.83	691.90
Rock sole	1.71	80.65	8.70	55.60	169.60	27.54	83.94	1.95	429.69
Petrale sole	1.48	147.03	49.85	31.99	47.47	14.31	7.62	35.80	335.55
Dover sole	30.24	60.00	15.83	11.61	15.91	11.22	619.14	199.49	963.44
Rex sole	0.48	1.94	0.11	1.86	0.82	1.18	169.98	28.29	204.66
Starry flounder	4.40	12.95	-	-	0.71	-	48.21	0.03	66.30
Turbot	0.76	129.59	20.88	47.46	37.44	11.07	496.45	20.06	763.71
Other flatfish[a]	65.66	76.51	2.92	8.41	2.48	0.93	-	-	156.91
Pacific cod	462.56	448.73	43.49	181.36	117.90	217.12	846.86	10.12	2328.14
Lingcod	27.07	3416.31	380.25	407.83	469.27	45.37	92.34	15.01	4853.45
Sablefish	2.05	79.04	18.15	11.40	14.59	2.09	24.77	80.86	232.95
Pollock	718.49	4.32	-	0.24	1.14	0.19	1168.46	2.43	1895.27
Hake	4962.17	1092.40	-	-	-	-	-	-	6054.57
Pacific ocean perch	-	148.07	407.74	106.63	2162.88	468.46	27.34	2748.26	6069.38
Other rockfish[a]	25.25	667.57	2582.18	1275.44	1761.74	1228.14	226.53	3087.25	10854.10
Misc. species[a]	11.22	12.87	0.46	9.12	7.80	1.88	109.15	1.36	153.86
Dogfish	422.60	1361.40	73.82	51.51	1.81	-	3.57	-	1914.71
Animal food[a]	13.43	37.67	-	0.64	32.00	36.08	101.06	88.02	308.90
Reduction[a]	19.64	73.11	19.94	3.74	44.78	6.50	-	45.95	213.66
Total	6785.38	7911.25	3628.52	2212.06	4905.39	2087.36	4595.48	6365.71	38491.15
Effort	4418	9327	3936	3948	4940	1703	5655	3183	37110

[a]Refer to Table 5 for breakdown by species.

Table 4A. British Columbia midwater trawl[a] landings (t) by species and major area in 1985.

Species	Major area				
	4B	3C	5D	5E	Total
Turbot	-	-	2.00	-	2.00
Lingcod	-	0.87	0.09	-	0.96
Pollock	713.27	-	1115.50	-	1828.77
Hake	4961.12	1092.34	-	-	6053.46
Ocean perch	-	10.68	0.06	0.44	11.18
Other rockfish	-	92.00	138.74	2.25	232.99
Misc. species	-	0.20	0.03	-	0.23
Dogfish	308.59	-	-	-	308.59
Animal food	13.43	37.62	18.45	-	69.50
Reduction	18.72	62.38	-	-	81.10
Total	6015.13	1296.09	1274.87	2.69	8588.78

[a]These midwater trawl catches are included in all the trawl tables in this report.

Table 4B. British Columbia midwater[a] trawl landings (t) and related effort[b] (h) in 1985.

Month	Major Area									
	4B		3C		5D		5E		Total	
	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	22.83	22	-	-	390.96	117	-	-	413.79	139
February	708.69	188	-	-	64.87	93	2.69	9	776.25	290
March	2672.23	465	-	-	-	-	-	-	2672.23	465
April	1884.27	360	-	-	-	-	-	-	1884.27	360
May	103.09	23	139.27	13	-	-	-	-	242.36	36
June	-	-	116.18	10	-	-	-	-	116.18	10
July	-	-	480.06	43	-	-	-	-	480.06	43
August	-	-	-	-	-	-	-	-	-	-
September	-	-	192.17	17	-	-	-	-	192.17	17
October	277.54	87	359.25	32	64.71	47	-	-	701.50	166
November	251.60	80	9.16	1	412.44	190	-	-	673.20	271
December	94.88	21	-	-	341.89	107	-	-	436.77	128
Total	6015.13	1246	1296.09	116	1274.87	554	2.69	9	8588.78	1925

[a]Midwater trawl catch and effort are included in all the trawl tables in this report.

[b]This effort was prorated using the known CPUE obtained from interviews which accounted for 71% of the midwater trawl catch.

Table 5. Species landed (t) as "other flatfish", "other rockfish", "miscellaneous species", "animal food", and "reduction" by major area in 1985.

Species	Major area								
	4B	3C	3D	5A	5B	5C	5D	5E	Total
Other flatfish									
Flathead sole	1.49	-	-	-	-	-	-	-	1.49
Sand sole	-	0.12	0.40	-	-	-	-	-	0.52
Unspecified	64.17	76.39	2.52	8.41	2.48	0.93	-	-	154.90
Total	65.66	76.51	2.92	8.41	2.48	0.93	-	-	156.91
Other rockfish									
Black rockfish	-	0.41	-	-	-	-	-	-	0.41
Bocaccio	-	33.59	128.08	85.24	74.54	70.87	6.27	0.33	398.92
Canary rockfish	-	177.28	726.92	140.59	254.30	187.04	3.26	9.43	1498.82
Darkblotched r'fish	-	7.18	5.74	0.56	0.09	-	-	11.53	25.10
Greenstriped r'fish	0.04	0.26	-	-	-	-	-	-	0.30
Harlequin rockfish	-	-	-	-	-	-	-	0.75	0.75
Quillback rockfish	0.09	-	-	0.39	0.05	0.24	1.72	0.06	2.55
Redbanded rockfish	-	1.74	6.86	8.27	13.08	0.61	10.36	5.82	46.74
Redstripe rockfish	-	26.12	77.58	57.96	117.65	120.66	1.74	1177.69	1579.40
Rosethorn rockfish	-	-	-	-	-	-	-	0.40	0.40
Rougheye rockfish	-	0.24	0.73	-	3.34	-	-	611.53	615.84
Sharpchin rockfish	-	0.06	15.19	1.02	11.07	11.34	-	56.45	95.13
Shortraker r'fish	-	0.65	-	-	7.50	0.06	1.07	12.86	22.14
Shortspine thornyhead	-	1.03	5.39	3.19	3.00	1.16	12.45	34.17	60.39
Silvergray r'fish	-	109.71	812.40	660.09	617.96	734.10	20.52	456.77	3411.55
Splitnose r'fish	-	5.32	41.01	15.45	47.15	0.36	-	2.04	111.33
Widow rockfish	0.13	6.21	19.34	5.44	13.50	15.74	7.35	26.13	93.84
Yelloweye r'fish	-	0.23	-	0.76	4.09	-	-	-	5.08
Yellowmouth r'fish	-	3.61	412.41	128.30	364.17	37.32	0.22	656.56	1602.59
Yellowtail r'fish	7.76	94.45	287.95	137.95	218.48	44.32	144.65	5.30	940.86
Unspecified	17.23	199.48	42.58	30.23	11.77	4.32	16.92	19.43	341.96
Total	25.25	667.57	2582.18	1275.44	1761.74	1228.14	226.53	3087.25	10854.10

Table 5 (cont'd)

Species	Major area 4B	3C	3D	5A	5B	5C	5D	5E	Total
Miscellaneous species									
Octopus	0.54	0.30	0.04	0.23	0.08	0.36	2.45	0.10	4.10
Perch	1.93	0.09	-	-	-	-	-	-	2.02
Scallop	0.09	-	-	-	-	-	0.32	-	0.41
Shad	0.03	0.01	-	-	-	-	-	-	0.04
Shark	-	0.21	-	-	-	-	-	-	0.21
Skate	8.40	11.03	0.07	8.56	7.72	1.52	106.36	0.91	144.57
Squid	0.11	0.03	0.26	-	-	-	0.02	0.35	0.77
Sturgeon	-	0.63	0.03	0.14	-	-	-	-	0.80
Wolf-eel	0.03	-	-	-	-	-	-	-	0.03
Unspecified	0.09	0.57	0.06	0.19	-	-	-	-	0.91
Total	11.22	12.87	0.46	9.12	7.80	1.88	109.15	1.36	153.86
Animal Food									
Hake	13.43	37.62	-	-	-	-	-	-	51.05
Pollock	-	-	-	-	-	-	7.20	-	7.20
Rockfish	-	-	-	-	-	-	1.17	20.63	21.80
Unspecified	-	0.05	-	0.64	32.00	36.08	92.69	67.39	228.85
Total	13.43	37.67	-	0.64	32.00	36.08	101.06	88.02	308.90
Reduction									
Dogfish	0.92	3.74	-	0.31	-	-	-	-	4.97
Hake	-	62.37	-	-	-	-	-	-	62.37
Pollock	18.72	-	-	-	-	-	-	-	18.72
Rockfish	-	-	-	-	4.83	0.88	-	7.26	12.97
Sablefish	-	-	-	-	0.22	-	-	-	0.22
Sole	-	-	0.35	-	0.26	-	-	-	0.61
Unspecified	-	7.00	19.59	3.43	39.47	5.62	-	38.69	113.80
Total	19.64	73.11	19.94	3.74	44.78	6.50	-	45.95	213.66

Table 6. British Columbia trawl landings (t) by species and minor area in 1985.

Species	Minor area					
	12	14	15	16	17	18
English sole	1.26	2.42	-	-	-	4.85
Rock sole	0.14	-	-	-	-	0.10
Petrale sole	-	-	-	-	-	0.08
Dover sole	-	-	-	-	-	0.20
Rex sole	-	-	-	-	-	-
Flathead sole	1.49	-	-	-	-	-
Sand sole	-	-	-	-	-	-
Turbot	-	-	-	-	-	-
Starry flounder	1.70	0.04	-	-	1.21	0.52
Other flatfish	1.21	10.47	-	-	8.79	21.26
Pacific cod	4.46	77.16	-	-	23.09	100.48
Lingcod	-	0.37	-	-	-	2.26
Sablefish	-	1.40	-	-	0.03	-
Pollock	-	16.16	76.05	222.27	380.54	6.57
Pacific ocean perch	-	-	-	-	-	-
Bocaccio	-	-	-	-	-	-
Canary rockfish	-	-	-	-	-	-
Redstripe r'fish	-	-	-	-	-	-
Rougheye r'fish	-	-	-	-	-	-
Silvergray r'fish	-	-	-	-	-	-
Yellowmouth r'fish	-	-	-	-	-	-
Yellowtail r'fish	-	-	-	-	-	-
Widow rockfish	-	-	-	-	-	-
Other rockfish	0.16	0.87	-	-	2.20	6.64
Hake	-	76.97	64.51	108.95	3704.38	25.19
Octopus	-	0.08	-	-	-	0.10
Perch	0.04	0.09	-	-	0.99	0.63
Skate	0.46	0.81	-	-	0.37	2.89
Squid	-	-	-	-	-	0.11
Sturgeon	-	-	-	-	-	-
Misc. species	-	0.13	-	-	-	0.07
Dogfish	-	9.42	-	-	302.41	73.00
Reduction	-	-	-	-	-	19.02
Animal food	-	-	-	-	13.43	-
Total	10.92	196.39	140.56	331.22	4437.44	263.97
Crab	-	-	-	-	-	-
Dumped fish	-	-	-	-	-	-
Discards	-	2.72	-	4.54	2.72	-

Table 6 (cont'd)

Species	Minor area					
	19	20	29	21	23	24
English sole	0.20	7.44	-	5.53	53.09	2.47
Rock sole	-	1.25	0.22	0.71	79.83	0.11
Petrale sole	-	1.40	-	8.32	115.62	23.09
Dover sole	-	30.04	-	6.24	46.55	7.21
Rex sole	-	0.48	-	0.37	1.56	0.01
Flathead sole	-	-	-	-	-	-
Sand sole	-	-	-	-	0.12	-
Turbot	0.15	0.61	-	2.94	124.97	1.68
Starry flounder	-	0.07	0.86	0.47	12.47	0.01
Other flatfish	5.17	15.40	1.87	19.14	56.53	0.72
Pacific cod	130.45	126.79	0.13	162.22	281.18	5.33
Lingcod	10.51	13.93	-	19.33	3386.22	10.76
Sablefish	-	0.62	-	10.21	64.10	4.73
Pollock	0.59	4.21	12.10	4.31	-	0.01
Pacific ocean perch	-	-	-	7.52	72.17	68.38
Bocaccio	-	-	-	2.00	12.53	19.06
Canary rockfish	-	-	-	1.21	112.67	63.40
Redstripe r'fish	-	-	-	0.61	12.95	12.56
Rougheye r'fish	-	-	-	-	0.06	0.18
Silvergray r'fish	-	-	-	0.47	67.64	41.60
Yellowmouth r'fish	-	-	-	0.28	1.00	2.33
Yellowtail r'fish	5.40	2.36	-	16.24	77.70	0.52
Widow rockfish	-	0.14	-	-	6.21	-
Other rockfish	1.40	5.98	0.10	10.66	118.67	87.02
Hake	-	0.02	982.15	0.06	1092.34	-
Octopus	0.27	0.08	0.01	0.10	0.21	-
Perch	-	0.15	0.03	0.09	-	-
Skate	1.60	2.19	0.06	2.47	8.56	0.01
Squid	-	-	-	-	0.03	-
Sturgeon	-	-	-	-	0.63	-
Misc. species	-	0.06	-	0.05	0.71	0.01
Dogfish	0.14	12.17	25.46	27.39	1264.16	69.85
Reduction	-	0.62	-	-	73.06	0.05
Animal food	-	-	-	0.05	37.62	-
Total	155.88	226.01	1022.99	308.99	7181.16	421.10
Crab	0.08	0.02	-	-	-	-
Dumped fish	0.12	-	-	-	-	-
Discards	-	1.36	-	106.03	477.05	24.62

Table 6 (cont'd)

Species	Minor area					
	25	26	27	9	11	8
English sole	1.07	1.86	1.27	-	7.22	17.05
Rock sole	3.51	4.00	1.19	-	55.60	169.60
Petrale sole	42.05	4.61	3.19	0.03	31.96	47.47
Dover sole	13.65	0.10	2.08	0.93	10.68	15.91
Rex sole	0.11	-	-	-	1.86	0.82
Flathead sole	-	-	-	-	-	-
Sand sole	-	0.40	-	-	-	-
Turbot	11.64	-	9.24	-	47.46	37.44
Starry flounder	-	-	-	-	-	0.71
Other flatfish	1.01	0.23	1.28	-	8.41	2.48
Pacific cod	7.81	22.50	13.18	-	181.36	117.90
Lingcod	306.63	36.52	37.10	-	407.83	469.27
Sablefish	6.63	0.20	11.32	-	11.40	14.59
Pollock	-	-	-	-	0.24	1.14
Pacific ocean perch	95.05	11.76	300.93	1.56	105.07	2162.88
Bocaccio	110.33	0.45	17.30	-	85.24	74.54
Canary rockfish	573.21	52.94	100.77	-	140.59	254.30
Redstripe r'fish	34.87	0.79	41.92	-	57.96	117.65
Rougheye r'fish	0.68	-	0.05	-	-	3.34
Silvergray r'fish	454.37	89.23	268.80	-	660.09	617.96
Yellowmouth r'fish	0.30	0.11	412.00	-	128.30	364.17
Yellowtail r'fish	252.24	20.58	15.13	-	137.95	218.49
Widow rockfish	15.77	1.83	1.73	-	5.44	13.50
Other rockfish	24.21	13.44	79.13	1.25	58.62	97.79
Hake	-	-	-	-	-	-
Octopus	0.01	-	0.03	-	0.23	0.09
Perch	-	-	-	-	-	-
Skate	-	-	0.07	-	8.56	7.71
Squid	0.07	-	0.19	-	-	-
Sturgeon	-	0.03	-	-	0.14	-
Misc. species	-	-	0.06	-	0.19	-
Dogfish	24.04	42.14	7.64	-	51.51	1.81
Reduction	19.94	-	-	-	3.74	44.78
Animal food	-	-	-	-	0.64	32.00
Total	1999.20	303.72	1325.60	3.77	2208.29	4905.39
Crab	-	-	-	-	-	-
Dumped fish	-	4.54	-	-	-	34.02
Discards	32.73	1.13	11.24	-	152.99	298.96

Table 6 (cont'd)

Species	Minor area					
	2BE	5L	6	1E	4	5U
English sole	4.73	10.55	-	4.53	532.54	32.99
Rock sole	18.69	8.85	-	11.60	28.94	43.40
Petrale sole	8.34	3.72	2.25	0.58	1.82	5.22
Dover sole	5.03	0.34	5.85	7.33	598.30	13.51
Rex sole	1.02	0.09	0.07	1.06	164.21	4.71
Flathead sole	-	-	-	-	-	-
Sand sole	-	-	-	-	-	-
Turbot	10.58	0.49	-	7.21	486.98	2.26
Starry flounder	-	-	-	46.67	1.53	0.01
Other flatfish	0.93	-	-	-	-	-
Pacific cod	51.13	161.05	4.94	4.91	528.72	313.23
Lingcod	35.66	9.71	-	0.74	84.12	7.48
Sablefish	2.01	-	0.08	1.69	22.12	0.96
Pollock	0.19	-	-	193.36	974.41	0.69
Pacific ocean perch	465.52	-	2.94	1.71	25.28	0.35
Bocaccio	28.95	30.82	11.10	0.45	0.87	4.95
Canary rockfish	83.93	69.08	34.03	2.88	0.23	0.15
Redstripe r'fish	115.98	-	4.68	-	1.74	-
Rougheye r'fish	-	-	-	-	-	-
Silvergray r'fish	632.19	58.13	43.78	2.12	12.59	5.81
Yellowmouth r'fish	37.02	-	0.30	0.22	-	-
Yellowtail r'fish	7.72	24.50	12.09	12.98	124.47	7.19
Widow rockfish	15.74	-	-	-	7.35	-
Other rockfish	15.40	2.40	0.30	0.79	39.68	2.06
Hake	-	-	-	-	-	-
Octopus	0.30	0.06	-	0.12	1.06	1.26
Perch	-	-	-	-	-	-
Skate	1.30	0.22	-	1.68	94.33	10.36
Squid	-	-	-	-	0.02	-
Sturgeon	-	-	-	-	-	-
Misc. species	-	-	-	0.32	-	-
Dogfish	-	-	-	-	-	3.57
Reduction	6.50	-	-	-	-	-
Animal food	35.99	0.09	-	2.00	95.77	3.29
Total	1584.85	380.10	122.41	304.95	3827.08	463.45
Crab	-	-	-	-	-	-
Dumped fish	-	-	-	-	-	-
Discards	84.37	24.50	55.79	4.99	556.89	85.91

Table 6 (cont'd)

Species	Minor area 1W	2AW	2BW	Total
English sole	0.51	0.32	-	691.90
Rock sole	1.82	0.13	-	429.69
Petrale sole	33.21	1.37	1.22	335.55
Dover sole	192.19	7.24	0.06	963.44
Rex sole	27.90	0.39	-	204.66
Flathead sole	-	-	-	1.49
Sand sole	-	-	-	0.52
Turbot	10.13	9.93	-	763.71
Starry flounder	-	0.03	-	66.30
Other flatfish	-	-	-	154.90
Pacific cod	7.97	2.15	-	2328.14
Lingcod	11.60	3.37	0.04	4853.45
Sablefish	49.24	30.66	0.96	232.95
Pollock	2.32	0.11	-	1895.27
Pacific ocean perch	1921.21	455.06	371.99	6069.38
Bocaccio	0.33	-	-	398.92
Canary rockfish	3.66	5.77	-	1498.82
Redstripe r'fish	258.97	916.33	2.39	1579.40
Rougheye r'fish	453.68	157.34	0.51	615.84
Silvergray r'fish	244.69	211.19	0.89	3411.55
Yellowmouth r'fish	179.87	450.33	26.36	1602.59
Yellowtail r'fish	-	5.30	-	940.86
Widow rockfish	5.41	20.72	-	93.84
Other rockfish	124.94	18.35	0.22	712.28
Hake	-	-	-	6054.57
Octopus	-	0.09	-	4.10
Perch	-	-	-	2.02
Skate	0.84	0.08	-	144.57
Squid	0.35	-	-	0.77
Sturgeon	-	-	-	0.80
Misc. species	-	-	-	1.60
Dogfish	-	-	-	1914.71
Reduction	42.96	0.86	2.13	213.66
Animal food	44.35	42.71	0.96	308.90
Total	3618.15	2339.83	407.73	38491.15
Crab	-	-	-	0.10
Dumped fish	-	-	-	38.68
Discards	49.29	-	-	1977.83

Tables of monthly catch (t) by major area.

TABLE 7. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH - INTERNATIONAL AREA 4B, STRAIT OF GEORGIA.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	5.87	1.07	.93	1.19	2.80	.95	.59	.04	1.59	.16	.67	.31	16.17
ROCK S.		.71		.45	.22	.06		.13		.14			1.71
PETRALE S.	.18	.12	.11			.18	.09	.18	.61			.01	1.48
DOVER S.	.24		.20		2.17	10.56	2.14	6.66	8.27				30.24
REX SOLE	.48												.48
STARRY FLDR	1.40	.11	.82	.01	.01			.16	.15	.31	.68	.75	4.40
TURBOT	.04	.13	.10	.10	.01				.17	.02	.19		.76
OTHER FLAT.	8.50	10.96	9.50	2.49	1.59	2.25	1.51	.77	5.66	6.89	8.45	7.07	65.66
PACIFIC COD	70.92	100.02	53.55	14.08	17.35	22.04	6.42	21.14	25.71	23.52	80.18	27.63	462.56
LINGCOD	2.28	2.54	1.37	1.55	.94	1.10	1.99	.68	6.27	2.28	6.07		27.07
SABLEFISH					.19	.17	.33	.46	.85	.05			2.05
POLLOCK	1.61	290.71	101.66	3.63		.04				22.31	203.60	94.93	718.49
HAKE	22.02	357.72	2470.71	1723.89	103.16	.08		.03	.06	236.20	48.26	.04	4962.17
OCEAN PERCH													
OTHER ROCKF .	4.46	5.59	4.45	.58	1.07	.89	.75	.37	2.72	1.00	1.27	2.10	25.25
MISC. SP.	2.34	1.22	1.41	1.52	.98	.46	.05	.18	.37	.84	1.26	.59	11.22
DOGFISH	3.95	54.04	107.98	157.16	7.33	6.02			9.42	2.47	45.17	29.06	422.60
ANIMAL FOOD		13.43											13.43
REDUCTION										18.72	.30	.62	19.64
TOTAL	124.29	838.39	2752.79	1906.65	137.82	44.80	13.87	30.88	61.85	314.91	396.10	163.11	6785.38

TABLE 8. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH - INTERNATIONAL AREA 3C, SOUTHWEST COAST VANCOUVER IS.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	1.58	1.02	3.19	3.98	4.55	14.09	12.96	5.84	5.36	6.95	1.41	.16	61.09
ROCK S.			.11	9.15	6.77	7.42	20.15	6.40	18.35	12.28	.02		80.65
PETRALE S.	8.51	8.85	7.07	3.25	21.81	17.34	25.55	17.62	15.05	18.21	3.28	.49	147.03
DOVER S.	.97	2.38	6.00	4.65	3.02	2.33	10.31	11.44	8.60	6.93	3.37		60.00
REX SOLE	.37	.01			1.56								1.94
STARRY FLDR		.93	5.65	1.31	1.15	3.21			.08	.48	.14		12.95
TURBOT	.15	1.85	6.65	.11	.46	.09	17.55	16.11	79.71	6.69	.22		129.59
OTHER FLAT.		4.50	7.91	7.36	4.86	7.62	7.00	19.56	6.04	4.00	6.82	.84	76.51
PACIFIC COD	22.46	67.30	34.64	113.09	66.69	26.61	36.00	16.08	18.18	24.44	20.53	2.71	448.73
LINGCOD	2.90	2.16	6.91	8.02	517.36	836.05	1273.18	488.81	145.02	116.15	16.72	3.03	3416.31
SABLEFISH		.30	.36	.15	.01	.19	1.76	32.43	24.08	19.20	.26	.30	79.04
POLLOCK	.94		3.37							.01			4.32
HAKE					138.18	49.93	443.22		151.76	309.25		.06	1092.40
OCEAN PERCH	24.66	28.15	31.22	6.73	16.28	5.97	3.65	2.20	23.53	4.69	.94	.05	148.07
OTHER ROCKF.	89.20	33.95	31.29	62.32	105.12	34.58	54.22	12.06	72.08	98.63	41.85	32.27	667.57
MISC. SP.	.24	.29	.90	1.51	1.79	3.28	1.17	.66	.77	1.13	.94	.19	12.87
DOGFISH		132.66	365.62	590.60	116.92	33.20	3.66		37.60	19.77	.11	61.26	1361.40
ANIMAL FOOD				.05		25.70	6.69		5.23				37.67
REDUCTION					.03	42.64	26.65			.05		3.74	73.11
TOTAL	151.98	284.35	510.89	812.28	1006.56	1110.25	1943.72	629.21	611.44	648.86	96.61	105.10	7911.25

TABLE 9. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH - INTERNATIONAL AREA 3D, NORTHWEST COAST VANCOUVER IS.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	.08	.20	1.47	1.20	.55	.67	.03						4.20
ROCK S.		.38	.36	5.65	.40	.01	1.59		.31				8.70
PETRALE S.	17.74	5.58	5.77	10.60	7.15	.30	.52	.25	1.46	.25	.23		49.85
DOVER S.	1.41		.50	4.72	2.41	4.31	1.25			1.23			15.83
REX SOLE			.11										.11
STARRY FLDR													
TURBOT					11.46	9.24	.18						20.88
OTHER FLAT.	.04	.45		.40	.75					1.28			2.92
PACIFIC COD	1.53	4.12	4.39	17.86	5.16	9.12	.13		.02	1.16			43.49
LINGCOD	1.97	4.73	10.05	195.68	111.44	11.14	35.64		1.48	2.94	2.11	3.07	380.25
SABLEFISH		.09	.01		4.41	.90	1.80	2.55	.89	4.75	.73	1.96	18.15
POLLOCK													
HAKE													
OCEAN PERCH	76.19	21.76	14.42	26.63	53.84	24.73	15.91	46.17	2.24	49.90	58.04	17.91	407.74
OTHER ROCKF.	503.68	286.46	199.94	195.09	599.47	165.59	130.54	100.84	9.14	192.75	100.66	99.02	2582.18
MISC. SP.	.01	.03		.01	.20	.02	.12	.02	.01	.04			.46
DOGFISH	9.07	7.97	35.22	20.65	.91								73.82
ANIMAL FOOD													
REDUCTION	2.31	1.41		2.97	12.09	1.16							19.94
TOTAL	614.03	333.18	272.24	481.46	810.24	227.25	187.71	149.83	14.55	254.30	161.77	121.96	3628.52

TABLE 10. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH - INTERNATIONAL AREA 5A, SOUTH QUEEN CHARLOTTE SOUND.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.		.27	.50	.70	1.27	3.23	.21	.31	.25	.42		.06	7.22
ROCK S.		.19	.23	.01	15.39	23.46	7.98	.02	7.02	1.30			55.60
PETRALE S.	.10	.65	1.12	1.14	4.71	3.88	1.90	4.23	10.05	4.09		.12	31.99
DOVER S.			.05	.06		.67	8.16		.02	2.65			11.61
REX SOLE			.01		1.03	.82							1.86
STARRY FLDR													
TURBOT						11.58	6.98		14.86	12.52	1.52		47.46
OTHER FLAT.			.07		1.77	.29	1.12	3.42	1.74				8.41
PACIFIC COD		4.77	9.13	7.67	48.46	40.94	7.96	1.62	38.89	19.47		2.45	181.36
LINGCOD		.74	.58	8.63	68.35	83.89	63.65	19.96	131.50	29.57		.96	407.83
SABLEFISH				1.09	.03	3.14	.34	.06	3.74	1.92	.03	1.05	11.40
POLLOCK		.04				.20							.24
HAKE													
OCEAN PERCH		.26		59.12	7.03	23.72	10.30	3.94	.01	2.25			106.63
OTHER ROCKF.	1.91	148.77	163.76	118.17	174.21	229.28	187.64	21.93	63.49	36.87	25.52	103.89	1275.44
MISC. SP.		.51	.44	.13	2.71	1.73	.96		2.10	.54			9.12
DOGFISH		29.27	15.19	.09		4.59						2.37	51.51
ANIMAL FOOD		.64											.64
REDUCTION				.14	.86	.19	.23		.29	1.72		.31	3.74
TOTAL	2.01	186.11	191.08	196.95	325.82	431.61	297.43	55.49	273.96	113.32	27.07	111.21	2212.06

TABLE 11. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH - INTERNATIONAL AREA 5B, NORTH QUEEN CHARLOTTE SOUND.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.			.14	.03	.78	1.68	6.79	1.31	.41	4.92	.53	.46	17.05
ROCK S.				.06	.19	6.86	105.65	13.33	34.14	9.37			169.60
PETRALE S.			3.06	12.45	1.48	3.74	15.58	2.25	3.55	5.09		.35	47.47
DOVER S.		1.31	2.17	3.39	.52	1.39	2.14	1.39	2.37	1.23			15.91
REX SOLE			.04	.53				.23		.02			.82
STARRY FLDR												.71	.71
TURBOT		2.49	7.38	.11	.08	8.66	12.95	.73	3.80	1.24			37.44
OTHER FLAT.						.95	1.53						2.48
PACIFIC COD		.02	1.28	2.99	6.17	11.59	33.53	6.76	8.15	40.06	4.76	2.64	117.90
LINGCOD		.05	.44	1.65	16.69	108.47	277.15	19.39	19.26	24.31	1.23	.69	469.27
SABLEFISH		.13	.19	5.96	.08	1.08	.47	.90	1.17	4.17		.44	14.59
POLLOCK					.05	.69	.03	.37					1.14
HAKE													
OCEAN PERCH	38.99	106.25	491.09	760.84	70.05	121.96	24.32	14.71	52.55	480.60		1.52	2162.88
OTHER ROCKF.	8.18	44.73	239.59	367.01	180.51	253.42	296.62	117.71	71.58	155.47	17.87	9.05	1761.74
MISC. SP.		.05	.01	.34	1.89	.70	.83	3.29	.01	.68			7.80
DOGFISH				1.81									1.81
ANIMAL FOOD	.98	.10	9.61	5.07	.71			9.18	1.08	5.27			32.00
REDUCTION			2.54	20.19	5.74	2.21	1.17	.70	.22	12.01			44.78
TOTAL	48.15	155.13	757.54	1182.43	284.86	523.40	778.76	192.19	198.24	744.44	24.39	15.86	4905.39

TABLE 12. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH - INTERNATIONAL AREA 5C, SOUTH HECATE STRAIT.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	1.68	.48	4.89	2.64	.03	.90	.72	.07	.76	2.61	.50		15.28
ROCK S.	.31	5.00	4.39	1.18	.39		4.24	2.30	3.28	5.89	.56		27.54
PETRALE S.	.05	1.20	.31	.67	.87	.02		.15	6.73	1.65	2.42	.24	14.31
DOVER S.		.39		.76	2.42	.07	.33		5.02	.36	1.87		11.22
REX SOLE			.11	.37	.63				.07				1.18
STARRY FLDR													
TURBOT			.21	.10	9.83	.21				.72			11.07
OTHER FLAT.			.93										.93
PACIFIC COD	43.66	8.50	86.88	59.30	2.06	.03	3.31	.15	1.38	2.41	7.56	1.88	217.12
LINGCOD	.23	3.59	4.81	3.53	1.40	.77	9.43	2.27	13.71	1.29	4.06	.28	45.37
SABLEFISH		.02	.01	.09	.22	.20	.11			.26	.15	1.03	2.09
POLLOCK		.02	.01		.16								.19
HAKE													
OCEAN PERCH		61.88	64.23	68.65	135.59	71.42	1.17		12.00	52.23		1.29	468.46
OTHER ROCKF.	.29	256.94	254.49	139.06	113.19	8.13	6.92	2.10	73.19	43.96	258.42	71.45	1228.14
MISC. SP.		.23	.21	.04	.08			.45	.63	.23	.01		1.88
DOGFISH													
ANIMAL FOOD	.15	1.07	2.77	11.88	15.83	1.70		.09		2.59			36.08
REDUCTION		2.70	3.12				.68						6.50
TOTAL	46.37	342.02	427.37	288.27	282.70	83.45	26.91	7.58	116.77	114.20	275.55	76.17	2887.36

TABLE 13. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH - INTERNATIONAL AREA 5D, NORTH HECATE STRAIT.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	36.85	21.59	32.62	54.87	122.90	144.32	104.27	19.82	6.52	10.06	11.16	5.68	570.06
ROCK S.	5.00	3.52	5.48	3.21	7.12	5.48	2.73	24.77	10.80	4.78	8.56	2.49	83.94
PETRALE S.	.49	.36	.14	.17	.44	.48	.27	.03	.31	.54	3.24	1.15	7.62
DOVER S.	.12	.01		.08	24.36	75.66	269.89	61.56	119.75	66.65	.81	.25	619.14
REX SOLE	4.45	2.74	.53	.53	7.88	34.24	70.08	20.32	15.12	10.48	1.76	1.85	169.98
STARRY FLDR	.52	.06	.04	.11	.08	.22	.47	.07	.04	45.97	.48	.15	48.21
TURBOT	2.95	6.80		1.50	18.46	53.79	240.27	70.73	64.54	21.31	12.92	3.18	496.45
OTHER FLAT.													
PACIFIC COD	148.95	139.41	76.40	77.80	78.87	132.02	87.03	11.93	26.86	18.69	33.94	15.76	846.86
LINGCOD	3.35	3.68	2.71	3.10	10.85	19.40	26.38	4.39	8.74	3.57	.36	1.81	92.34
SABLEFISH					.36	.39	12.93	7.07	1.50	2.51	.01		24.77
POLLOCK	350.23	18.69	1.89	.26	2.09	6.12	25.41	7.69	1.44	59.30	387.14	308.20	1168.46
HAKE													
OCEAN PERCH					.27	.10	19.94	4.33	.93	1.73	.04		27.34
OTHER ROCKF.	31.37	53.35	.99	1.87	5.85	6.74	21.17	10.61	12.13	15.51	21.33	45.61	226.53
MISC. SP.	17.19	23.80	2.57	6.87	10.04	7.87	12.81	7.58	4.72	3.48	7.85	4.37	109.15
DOGFISH		3.57											3.57
ANIMAL FOOD	12.80	.90	.05	.66	7.01	8.32	40.77	9.01	4.44	9.08	6.69	1.33	101.06
REDUCTION													
TOTAL	614.27	278.48	123.42	151.03	295.78	495.15	934.42	259.91	277.84	273.66	500.29	391.23	4595.48

TABLE 14. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH - INTERNATIONAL AREA 5E, WEST COAST QUEEN CHARLOTTE IS.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.						.05		.28	.32			.18	.83
ROCK S.		.03			1.82				.10				1.95
PETRALE S.	3.85	1.32	22.46	4.84	1.02	.16			1.30	.03	.17	.65	35.80
DOVER S.	35.02	8.28	42.47	33.65	35.14	15.90	.14	23.34	1.11	4.01	.33	.10	199.49
REX SOLE	.45	.62	13.56	1.51	3.28	3.02		5.32	.02	.51			28.29
STARRY FLDR		.03											.03
TURBOT	.75	1.39	1.91	1.32	.82	3.45			8.19	2.23			20.06
OTHER FLAT.													
PACIFIC COD	1.81	1.14	.07	.09	.33	.19		4.01	1.36	.24	.69	.19	10.12
LINGCOD	2.69	.74	.32	.21	1.62	1.72	.36	1.17	2.70	.89	2.06	.51	15.01
SABLEFISH		10.95	10.51	16.54	4.50	18.46	1.08	.63	7.62	6.94	3.34	.29	80.86
POLLOCK	1.07							.45	.11	.80			2.43
HAKE													
OCEAN PERCH	164.87	125.10	389.99	269.92	472.79	454.46	143.32	46.71	236.26	163.70	198.13	83.91	2748.26
OTHER ROCKF.	323.39	204.00	129.49	451.87	833.78	134.28	53.81	5.80	518.57	256.36	104.76	71.14	3087.25
MISC. SP.	.19	.02				.05	.22	.69		.06		.13	1.36
DOGFISH													
ANIMAL FOOD	.74	1.78	9.01	26.46	21.26	13.90	.71		11.32	2.84			88.02
REDUCTION	2.82	2.13			7.26	6.20				17.47	10.07		45.95
TOTAL	537.65	357.53	619.79	806.41	1383.62	651.84	199.64	88.40	788.98	456.08	319.57	156.20	6365.71

Tables of monthly catch (t) by minor area.

TABLE 15. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 12.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	.51									.16	.59		1.26
ROCK SOLE										.14			.14
PETRALE S.													
DOVER SOLE													
REX SOLE													
BUTTER SOLE													
FLATHEAD S.	1.49												1.49
SAND SOLE													
TURBOT													
STAR.FLDR	1.05	.06									.59		1.70
OTHER FLAT.		1.21											1.21
PACIFIC COD	.10	2.32								1.69	.35		4.46
LINGCOD													
SABLEFISH													
POLLOCK													
OCEAN PERCH													
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF													
WIDOW RF													
OTHER RF	.14	.02											.16
HAKE													
OCTOPUS													
PERCH		.04											.04
SKATE	.32	.14											.46
SQUID													
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION													
ANIMALFOOD													
TOTAL	3.61	3.79								1.99	1.53		10.92
CRAB													
DUMPED FISH													
DISCARDS													

TABLE 16. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 14.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	.26				2.03	.05					.08		2.42
ROCK SOLE													
PETRALE S.													
DOVER SOLE													
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR	.04												.04
OTHER FLAT.	2.86	1.80	1.58			.21	.21	.26	.12	.05	2.99	.39	10.47
PACIFIC COD	1.68	.34	1.23		14.06	17.62	4.29	17.43	8.67	1.69	9.31	.84	77.16
LINGCOD					.16	.06	.02	.05			.08		.37
SABLEFISH					.19	.17	.28	.36	.38	.02			1.40
POLLOCK										16.16			16.16
OCEAN PERCH													
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF													
WIDOW RF													
OTHER RF	.03	.01	.22		.18	.22	.07	.02			.12		.87
HAKE				15.29						61.64	.04		76.97
OCTOPUS					.08								.08
PERCH	.03										.06		.09
SKATE	.09	.01	.02		.21	.06	.03	.07	.09		.23		.81
SQUID													
STURGEON													
MISC. SP.	.03				.03						.07		.13
DOGFISH									9.42				9.42
REDUCTION													
ANIMALFOOD													
TOTAL	5.02	2.16	3.05	15.29	16.94	18.39	4.90	18.19	18.68	79.56	12.98	1.23	196.39
CRAB													
DUMPED FISH													
DISCARDS											2.72		2.72

TABLE 17. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 15.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.													
ROCK SOLE													
PETRALE S.													
DOVER SOLE													
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR													
OTHER FLAT.													
PACIFIC COD													
LINGCOD													
SABLEFISH													
POLLOCK											76.05		76.05
OCEAN PERCH													
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF													
WIDOW RF													
OTHER RF													
HAKE										64.51			64.51
OCTOPUS													
PERCH													
SKATE													
SQUID													
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION													
ANIMALFOOD													
TOTAL										64.51	76.05		140.56
CRAB													
DUMPED FISH													
DISCARDS													

TABLE 18. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 16.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.													
ROCK SOLE													
PETRALE S.													
DOVER SOLE													
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR													
OTHER FLAT.													
PACIFIC COD													
LINGCOD													
SABLEFISH													
POLLOCK											127.39	94.88	222.27
OCEAN PERCH													
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF													
WIDOW RF													
OTHER RF													
HAKE			11.08		45.10					52.77			108.95
OCTOPUS													
PERCH													
SKATE													
SQUID													
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION													
ANIMALFOOD													
TOTAL			11.08		45.10					52.77	127.39	94.88	331.22
CRAB													
DUMPED FISH											4.54		4.54
DISCARDS													

TABLE 19. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 17.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.													
ROCK SOLE													
PETRALE S.													
DOVER SOLE													
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR								.16	.15	.31		.59	1.21
OTHER FLAT.	.17	.36	.97	.24				.35	1.20	1.80		3.70	8.79
PACIFIC COD	3.37	3.27	4.09	1.95				.31	6.34	2.33		1.43	23.09
LINGCOD													
SABLEFISH										.03			.03
POLLOCK		277.58	99.33	3.63									380.54
OCEAN PERCH													
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF													
WIDOW RF													
OTHER RF	.02	.11	.72					.15	.38	.55		.27	2.20
HAKE		277.57	1646.21	1641.67	57.99					32.78	48.16		3704.38
OCTOPUS													
PERCH				.71	.28								.99
SKATE			.06						.01	.18		.12	.37
SQUID													
STURGEON													
MISC. SP.													
DOGFISH		26.05	100.17	156.90						2.02	17.27		302.41
REDUCTION													
ANIMALFOOD		13.43											13.43
TOTAL	3.56	598.37	1851.55	1805.10	58.27			.97	8.08	40.00	65.43	6.11	4437.44
CRAB													
DUMPED FISH													
DISCARDS			2.72										2.72

TABLE 20. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 18.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	3.65	.07	.83	.30									4.85
ROCK SOLE				.04		.06							.10
PETRALE S.			.08										.08
DOVER SOLE			.20										.20
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR	.31	.05	.15	.01									.52
OTHER FLAT.	1.44	1.08	2.83	2.01	1.20	.83	.36	.16	2.32	4.22	2.80	2.01	21.26
PACIFIC COD	16.87	26.50	31.14	7.60	1.21	.25	.09	.11	.38	3.41	3.06	9.86	100.48
LINGCOD	.26			.49	.49	.21		.06	.29	.06	.40		2.26
SABLEFISH													
POLLOCK	.17	.06	.06			.04				6.15	.04	.05	6.57
OCEAN PERCH													
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF													
WIDOW RF													
OTHER RF	.92	.41	.75	.58	.84	.24	.28	.10	.26	.41	.43	1.42	6.64
HAKE	.10	.03	.23	.15	.07	.08		.03	.06	24.36	.04	.04	25.19
OCTOPUS	.04	.02		.02								.02	.10
PERCH	.29	.03	.03	.03						.05	.09	.11	.63
SKATE	.46	.39	.62	.47	.15	.09		.03	.17	.12	.27	.12	2.89
SQUID	.09	.02											.11
STURGEON													
MISC. SP.	.02	.01	.01									.03	.07
DOGFISH	3.79		.03	.08	7.33	6.02				.45	27.45	27.85	73.00
REDUCTION										18.72	.30		19.02
ANIMALFOOD													
TOTAL	28.41	28.67	36.96	11.78	11.29	7.82	.73	.49	3.48	57.95	34.88	41.51	263.97
CRAB													
DUMPED FISH													
DISCARDS													

TABLE 21. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 19.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.		.19		.01									.20
ROCK SOLE													
PETRALE S.													
DOVER SOLE													
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT		.01		.10	.01						.03		.15
STAR.FLDR													
OTHER FLAT.	1.03	1.41	.29	.14	.01	.01			.85	.55	.50	.38	5.17
PACIFIC COD	36.89	30.94	.48	4.10	.54	.11			1.90	14.01	37.74	3.74	130.45
LINGCOD	1.08	.96		.61	.09	.02			2.23	2.19	3.33		10.51
SABLEFISH													
POLLOCK		.59											.59
OCEAN PERCH													
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF	2.18	3.22											5.40
WIDOW RF													
OTHER RF	.20	.01	.02						.60	.01	.46	.10	1.40
HAKE													
OCTOPUS	.04	.07	.02							.06	.08		.27
PERCH													
SKATE	.41	.18	.14	.13	.01				.10	.36	.12	.15	1.60
SQUID													
STURGEON													
MISC. SP.													
DOGFISH			.08									.06	.14
REDUCTION													
ANIMALFOOD													
TOTAL	41.83	37.58	1.03	5.09	.66	.14			5.68	17.18	42.26	4.43	155.88
CRAB	.03	.05											.08
DUMPED FISH		.12											.12
DISCARDS													

TABLE 22. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 20.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	1.45	.81	.10	.88	.77	.90	.59	.04	1.59			.31	7.44
ROCK SOLE		.71		.41				.13					1.25
PETRALE S.	.18	.12	.03			.18	.09	.18	.61			.01	1.40
DOVER SOLE	.24				2.17	10.56	2.14	6.66	8.27				30.04
REX SOLE	.48												.48
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT	.04	.12	.10						.17	.02	.16		.61
STAR.FLDR												.07	.07
OTHER FLAT.	1.51	5.12	3.63	.10	.02	1.20	.94		1.02	.24	1.62		15.40
PACIFIC COD	12.01	36.65	16.57	.43	1.54	4.06	2.04	3.29	8.42	.32	29.70	11.76	126.79
LINGCOD	.94	1.58	1.37	.45	.20	.81	1.97	.57	3.75	.03	2.26		13.93
SABLEFISH							.05	.10	.47				.62
POLLOCK	.53	3.56									.12		4.21
OCEAN PERCH													
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF	.65	.52	.88									.31	2.36
WIDOW RF		.09	.05										.14
OTHER RF	.32	1.20	1.81		.03	.43	.40	.10	1.48		.21		5.98
HAKE											.02		.02
OCTOPUS	.01		.05	.02									.08
PERCH			.14									.01	.15
SKATE	.51	.31	.26	.14	.17	.31	.02	.05		.05	.34	.03	2.19
SQUID													
STURGEON													
MISC. SP.			.03					.03					.06
DOGFISH	.16	2.98	7.70	.18								1.15	12.17
REDUCTION												.62	.62
ANIMALFOOD													
TOTAL	19.03	53.77	32.72	2.61	4.90	18.45	8.24	11.15	25.78	.66	34.43	14.27	226.01
CRAB					.02								.02
DUMPED FISH													
DISCARDS						1.36							1.36

TABLE 23. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 29.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.													
ROCK SOLE					.22								.22
PETRALE S.													
DOVER SOLE													
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR			.67		.01						.09	.09	.86
OTHER FLAT.			.20		.36				.15	.03	.54	.59	1.87
PACIFIC COD			.04							.07	.02		.13
LINGCOD													
SABLEFISH													
POLLOCK	.91	8.92	2.27										12.10
OCEAN PERCH													
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF													
WIDOW RF													
OTHER RF					.02					.03	.05		.10
HAKE	21.92	80.12	813.19	66.78						.14			982.15
OCTOPUS			.01										.01
PERCH					.03								.03
SKATE			.02		.02					.02			.06
SQUID													
STURGEON													
MISC. SP.													
DOGFISH		25.01									.45		25.46
REDUCTION													
ANIMALFOOD													
TOTAL	22.83	114.05	816.40	66.78	.66				.15	.29	1.15	.68	1022.99
CRAB													
DUMPED FISH													
DISCARDS													

TABLE 24. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 21.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	.92	.71	1.56	1.48	.86								5.53
ROCK SOLE				.14	.39				.18				.71
PETRALE S.	.39	.06	.23	.49	6.76						.39		8.32
DOVER SOLE	.92	1.42	1.56			.04			2.30				6.24
REX SOLE	.37												.37
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT	.15	.17	1.47	.11					.82		.22		2.94
STAR.FLDR			.44								.03		.47
OTHER FLAT.		4.50	5.60	1.38							6.82	.84	19.14
PACIFIC COD	20.54	65.77	32.82	19.55	13.89		.03		2.22		5.58	1.82	162.22
LINGCOD	1.10	1.76	1.47	2.08	10.10	.30			.78		1.51	.23	19.33
SABLEFISH									9.95		.26		10.21
POLLOCK	.94		3.37										4.31
OCEAN PERCH							.13		6.40		.94	.05	7.52
BOCACCIO									2.00				2.00
CANARY RF									1.21				1.21
REDSTR. RF							.61						.61
ROUGHEYE RF													
SIL'GRAY RF						.34	.02		.11				.47
YEL'MOUTH R									.28				.28
YEL'TAIL RF	2.19	7.84	5.59	.45		.17							16.24
WIDOW RF													
OTHER RF			4.61	3.27	.07				.47		2.15	.09	10.66
HAKE												.06	.06
OCTOPUS		.02		.03							.03	.02	.10
PERCH			.09										.09
SKATE	.24	.27	.71	.21	.01						.86	.17	2.47
SQUID													
STURGEON													
MISC. SP.											.05		.05
DOGFISH			20.11						6.96		.11	.21	27.39
REDUCTION													
ANIMALFOOD				.05									.05
TOTAL	27.76	82.52	79.63	29.24	32.08	.85	.79		33.68		18.95	3.49	308.99
CRAB													
DUMPED FISH													
DISCARDS				.91	34.70		.32		24.74			45.36	106.03

TABLE 25. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 23.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.		.03	.83	2.50	2.97	14.09	12.96	5.84	5.36	6.94	1.41	.16	53.09
ROCK SOLE				9.01	6.38	7.42	20.15	6.40	18.17	12.28	.02		79.83
PETRALE S.	.67	.28	4.70	.06	14.30	17.34	25.55	17.62	14.89	16.83	2.89	.49	115.62
DOVER SOLE	.05	.20	4.44		3.02	2.28	10.31	11.44	4.72	6.72	3.37		46.55
REX SOLE					1.56								1.56
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE					.12								.12
TURBOT			5.18		.46	.09	17.55	16.11	78.89	6.69			124.97
STAR.FLDR		.93	5.20	1.31	1.15	3.21			.08	.48	.11		12.47
OTHER FLAT.			2.00	5.84	4.74	7.62	6.73	19.56	6.04	4.00			56.53
PACIFIC COD		.07	.46	93.21	52.71	26.61	35.97	16.08	15.81	24.42	14.95	.89	281.18
LINGCOD	.04		4.48	3.79	505.70	835.08	1271.83	488.60	142.92	115.77	15.21	2.80	3386.22
SABLEFISH			.14	.12	.01	.19	1.73	30.29	12.36	18.96		.30	64.10
POLLOCK													
OCEAN PERCH	7.31	5.62	17.44	5.98	10.03	5.97	2.00		13.22	4.60			72.17
BOCACCIO					.05	.22	.84	1.81	2.13	6.12	1.36		12.53
CANARY RF				2.73	46.15	12.85	1.92	1.09	5.71	15.93	8.97	17.32	112.67
REDSTR. RF					1.58		.20		6.14	5.03			12.95
ROUGHEYE RF			.06										.06
SIL'GRAY RF					16.22	1.61	2.55		14.16	9.27	8.97	14.86	67.64
YEL'MOUTH R					.42		.27		.31				1.00
YEL'TAIL RF				.65	6.14	3.61	15.57		27.83	21.02	2.88		77.70
WIDOW RF									3.56	2.65			6.21
OTHER RF	1.10	1.02	10.53	1.77	16.24	8.18	16.62	4.52	4.31	37.49	16.89		118.67
HAKE					138.18	49.93	443.22		151.76	309.25			1092.34
OCTOPUS				.04	.01	.04	.04	.01	.02	.05			.21
PERCH													
SKATE				.75	1.68	2.90	1.12	.59	.73	.79			8.56
SQUID			.01						.02				.03
STURGEON			.07	.08	.09	.34	.01			.04			.63
MISC. SP.				.40				.06		.25			.71
DOGFISH		132.66	296.95	569.83	116.41	33.20	3.66		30.64	19.77		61.04	1264.16
REDUCTION					.03	42.64	26.65					3.74	73.06
ANIMALFOOD						25.70	6.69		5.23				37.62
TOTAL	9.17	140.81	352.49	698.07	946.35	1101.12	1924.14	620.02	565.01	645.35	77.03	101.60	7181.16
CRAB													
DUMPED FISH													
DISCARDS			54.43	17.92	244.94	51.94	41.28	38.10	23.00		5.44		477.05

TABLE 26. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 24.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	.66	.28	.80		.72					.01			2.47
ROCK SOLE			.11										.11
PETRALE S.	7.45	8.51	2.14	2.70	.75				.16	1.38			23.09
DOVER SOLE		.76		4.65		.01			1.58	.21			7.21
REX SOLE		.01											.01
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT		1.68											1.68
STAR.FLDR			.01										.01
OTHER FLAT.			.31	.14			.27						.72
PACIFIC COD	1.92	1.46	1.36	.33	.09				.15	.02			5.33
LINGCOD	1.76	.40	.96	2.15	1.56	.67	1.35	.21	1.32	.38			10.76
SABLEFISH		.30	.22	.02		.01	.03	2.14	1.76	.25			4.73
POLLOCK										.01			.01
OCEAN PERCH	17.35	22.53	13.78	.75	6.25		1.52	2.20	3.91	.09			68.38
BOCACCIO	15.63			.18	.18		2.44				.63		19.06
CANARY RF	6.65		1.99	25.15	12.61	4.63	9.97	2.28	.12				63.40
REDSTR. RF	7.71				2.10	1.79	.13		.83				12.56
ROUGHEYE RF									.18				.18
SIL'GRAY RF	13.29			22.56	2.10	1.18	1.74	.73					41.60
YEL'MOUTH R					.32		.21	1.58	.22				2.33
YEL'TAIL RF					.28		.24						.52
WIDOW RF													
OTHER RF	42.63	25.09	8.51	5.56	.66		.89	.05	2.51	1.12			87.02
HAKE													
OCTOPUS													
PERCH													
SKATE			.01										.01
SQUID													
STURGEON													
MISC. SP.			.01										.01
DOGFISH			48.57	20.77	.51								69.85
REDUCTION										.05			.05
ANIMALFOOD													
TOTAL	115.05	61.02	78.78	84.96	28.13	8.29	18.79	9.19	12.74	3.52	.63		421.10
CRAB													
DUMPED FISH													
DISCARDS							1.80	.66	22.16				24.62

TABLE 27. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 25.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	.05	.13	.10	.45	.25	.06	.03						1.07
ROCK SOLE				2.30	.09		1.12						3.51
PETRALE S.	17.33	5.30	3.36	8.78	4.87	.11	.52	.25	1.46	.04	.03		42.05
DOVER SOLE	1.41		.50	4.67	2.36	4.31	.40						13.65
REX SOLE			.11										.11
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT					11.46		.18						11.64
STAR.FLDR													
OTHER FLAT.	.04	.45			.52								1.01
PACIFIC COD	1.04	1.21	1.08	1.84	2.19	.32	.13						7.81
LINGCOD	1.01	3.99	3.41	184.32	82.82	1.37	23.91		.44	1.56	.73	3.07	306.63
SABLEFISH			.01		.07	.30	.88	1.23	.89	2.52	.73		6.63
POLLOCK													
OCEAN PERCH	10.59	20.02	14.42	1.15	5.13	21.50	13.00	5.79	2.24	.96		.25	95.05
BOCACCIO	27.19	8.20	2.28	5.50	21.17		1.52			15.55	18.02	10.90	110.33
CANARY RF	26.12	50.82	34.44	39.34	267.51	25.75	6.49	.60		70.81	39.50	11.83	573.21
REDSTR. RF	1.27	1.19	3.12	5.49	.97		.92				6.78	15.13	34.87
ROUGHEYE RF									.19			.49	.68
SIL'GRAY RF	23.67	5.00	77.63	99.06	130.66	35.55	40.48	2.71	7.36	15.70	6.03	10.52	454.37
YEL'MOUTH R					.28		.02						.30
YEL'TAIL RF	49.58	129.44	7.55	.82	4.59	3.41	.66			13.62	12.53	30.04	252.24
WIDOW RF	9.86	4.06	1.76				.09						15.77
OTHER RF	5.65	4.51	8.97	.25	.83		3.47	.12	.41				24.21
HAKE													
OCTOPUS					.01								.01
PERCH													
SKATE													
SQUID							.05	.01	.01				.07
STURGEON													
MISC. SP.													
DOGFISH			2.95	20.51	.58								24.04
REDUCTION	2.31	1.41		2.97	12.09	1.16							19.94
ANIMALFOOD													
TOTAL	177.12	235.73	161.69	377.45	548.45	93.84	93.87	10.71	13.00	120.74	84.35	82.23	1999.20
CRAB													
DUMPED FISH													
DISCARDS			8.39	6.80		.68	4.69	1.88	10.29				32.73

TABLE 28. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 26.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	.03	.07	.80	.75	.21								1.86
ROCK SOLE		.38	.09	3.09	.13				.31				4.00
PETRALE S.		.20	2.16	1.67	.58								4.61
DOVER SOLE				.05	.05								.10
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE				.40									.40
TURBOT													
STAR.FLDR													
OTHER FLAT.					.23								.23
PACIFIC COD		2.51	2.97	15.97	1.03				.02				22.50
LINGCOD	.50	.72	6.08	11.36	16.82				1.04				36.52
SABLEFISH							.12	.08					.20
POLLOCK													
OCEAN PERCH	8.26				.66			2.84					11.76
BOCACCIO	.45												.45
CANARY RF	3.43	12.77	15.20	2.66	11.97		.51	.11				6.29	52.94
REDSTR. RF		.05					.74						.79
ROUGHEYE RF													
SIL'GRAY RF	5.01		16.53	11.54	47.75		1.49	.62				6.29	89.23
YEL'MOUTH R					.11								.11
YEL'TAIL RF	12.28		7.64	.26	.40								20.58
WIDOW RF	.39			1.44									1.83
OTHER RF		12.49		.54	.22			.02	.17				13.44
HAKE													
OCTOPUS													
PERCH													
SKATE													
SQUID													
STURGEON		.03											.03
MISC. SP.													
DOGFISH	9.07	7.97	25.10										42.14
REDUCTION													
ANIMALFOOD													
TOTAL	39.42	37.19	76.57	49.73	80.16		2.86	3.67	1.54			12.58	303.72
CRAB													
DUMPED FISH	4.54												4.54
DISCARDS							1.13						1.13

TABLE 29. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 27.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.			.57		.09	.61							1.27
ROCK SOLE			.27	.26	.18	.01	.47						1.19
PETRALE S.	.41	.08	.25	.15	1.70	.19				.21	.20		3.19
DOVER SOLE							.85			1.23			2.08
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT						9.24							9.24
STAR.FLDR													
OTHER FLAT.										1.28			1.28
PACIFIC COD	.49	.40	.34	.05	1.94	8.80				1.16			13.18
LINGCOD	.46	.02	.56		11.80	9.77	11.73			1.38	1.38		37.10
SABLEFISH		.09			4.34	.66	.80	1.24		2.23		1.96	11.32
POLLOCK													
OCEAN PERCH	57.34	1.74		25.48	48.05	3.23	2.91	37.54		48.94	58.04	17.66	300.93
BOCACCIO				6.95	3.72	6.54	.09						17.30
CANARY RF	.45	.89	.05	5.01	42.36	39.46	3.49	6.71		2.35			100.77
REDSTR. RF	22.22		12.39	1.39	2.56	3.33	.02	.01					41.92
ROUGHEYE RF					.05								.05
SIL'GRAY RF	5.53	1.74		9.27	35.59	45.63	50.90	80.75		36.54	2.85		268.80
YEL'MOUTH R	292.42	55.30	12.39		5.46		.67	7.70		17.60	13.88	6.58	412.00
YEL'TAIL RF				1.42		4.69	3.46			5.56			15.13
WIDOW RF	1.67						.06						1.73
OTHER RF	16.49			4.14	23.28	1.23	15.45	1.49		15.02	1.07	.96	79.13
HAKE													
OCTOPUS	.01					.02							.03
PERCH													
SKATE							.07						.07
SQUID				.01	.13			.01		.04			.19
STURGEON													
MISC. SP.					.06								.06
DOGFISH			7.17	.14	.33								7.64
REDUCTION													
ANIMALFOOD													
TOTAL	397.49	60.26	33.99	54.27	181.64	133.41	90.97	135.45		133.54	77.42	27.16	1325.60
CRAB													
DUMPED FISH													
DISCARDS						1.54	.68	1.72			7.30		11.24

TABLE 30. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 9.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.													
ROCK SOLE													
PETRALE S.							.03						.03
DOVER SOLE							.93						.93
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR													
OTHER FLAT.													
PACIFIC COD													
LINGCOD													
SABLEFISH													
POLLOCK													
OCEAN PERCH							1.56						1.56
BOCACCIO													
CANARY RF													
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF													
YEL'MOUTH R													
YEL'TAIL RF													
WIDOW RF													
OTHER RF							1.25						1.25
HAKE													
OCTOPUS													
PERCH													
SKATE													
SQUID													
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION													
ANIMALFOOD													
TOTAL							3.77						3.77
CRAB													
DUMPED FISH													
DISCARDS													

TABLE 31. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 11.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.		.27	.50	.70	1.27	3.23	.21	.31	.25	.42		.06	7.22
ROCK SOLE		.19	.23	.01	15.39	23.46	7.98	.02	7.02	1.30			55.60
PETRALE S.	.10	.65	1.12	1.14	4.71	3.88	1.87	4.23	10.05	4.09		.12	31.96
DOVER SOLE			.05	.06		.67	7.23		.02	2.65			10.68
REX SOLE			.01		1.03	.82							1.86
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT						11.58	6.98		14.86	12.52	1.52		47.46
STAR.FLDR													
OTHER FLAT.			.07		1.77	.29	1.12	3.42	1.74				8.41
PACIFIC COD		4.77	9.13	7.67	48.46	40.94	7.96	1.62	38.89	19.47		2.45	181.36
LINGCOD		.74	.58	8.63	68.35	83.89	63.65	19.96	131.50	29.57		.96	407.83
SABLEFISH				1.09	.03	3.14	.34	.06	3.74	1.92	.03	1.05	11.40
POLLOCK		.04				.20							.24
OCEAN PERCH		.26		59.12	7.03	23.72	8.74	3.94	.01	2.25			105.07
BOCACCIO		2.31	2.63	8.55	5.80	4.38	22.89	.83	2.10	16.56	1.77	17.42	85.24
CANARY RF	1.33	7.66	24.22	8.62	34.21	29.26	19.40	4.06	6.53	.42	3.36	1.52	140.59
REDSTR. RF		.13	4.48		5.82	7.93	30.24	3.17	2.08		.88	3.23	57.96
ROUGHEYE RF													
SIL'GRAY RF		126.40	73.25	77.31	111.08	114.10	78.61	13.79	43.05	9.45	8.23	4.82	660.09
YEL'MOUTH R					.77	41.26	12.79				4.47	69.01	128.30
YEL'TAIL RF	.58	11.51	59.18	10.84	7.17	14.82	13.05	.08	4.42	1.60	6.81	7.89	137.95
WIDOW RF							2.75		2.69				5.44
OTHER RF		.76		12.85	9.36	17.53	6.66		2.62	8.84			58.62
HAKE													
OCTOPUS		.15		.02	.03	.01				.02			.23
PERCH													
SKATE		.36	.44	.10	2.60	1.48	.96		2.10	.52			8.56
SQUID													
STURGEON				.01	.03	.10							.14
MISC. SP.					.05	.14							.19
DOGFISH		29.27	15.19	.09		4.59						2.37	51.51
REDUCTION				.14	.86	.19	.23		.29	1.72		.31	3.74
ANIMALFOOD		.64											.64
TOTAL	2.01	186.11	191.08	196.95	325.82	431.61	293.66	55.49	273.96	113.32	27.07	111.21	2208.29
CRAB													
DUMPED FISH													
DISCARDS		1.36		4.54		3.08	66.45	1.36	4.76	18.14	19.28	34.02	152.99

TABLE 32. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 8.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.			.14	.03	.78	1.68	6.79	1.31	.41	4.92	.53	.46	17.05
ROCK SOLE				.06	.19	6.86	105.65	13.33	34.14	9.37			169.60
PETRALE S.			3.06	12.45	1.40	3.74	15.58	2.25	3.55	5.09		.35	47.47
DOVER SOLE		1.31	2.17	3.39	.52	1.39	2.14	1.39	2.37	1.23			15.91
REX SOLE			.04	.53				.23		.02			.82
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT		2.49	7.38	.11	.08	8.66	12.95	.73	3.80	1.24			37.44
STAR.FLDR												.71	.71
OTHER FLAT.						.95	1.53						2.48
PACIFIC COD		.02	1.28	2.99	6.17	11.59	33.53	6.70	8.16	40.06	4.76	2.64	117.90
LINGCOD		.05	.44	1.65	16.69	108.47	277.15	19.39	19.20	24.31	1.23	.69	469.27
SABLEFISH		.13	.19	5.96	.08	1.08	.47	.90	1.17	4.17		.44	14.59
POLLOCK					.05	.69	.03	.37					1.14
OCEAN PERCH	38.99	106.25	491.09	760.84	70.05	121.96	24.32	14.71	52.55	480.60		1.52	2162.88
BOCACCIO					.38	5.93	44.57		3.37	12.31	5.31	2.67	74.54
CANARY RF				13.87	37.12	67.90	80.34	12.83	18.61	22.20		1.43	254.30
REDSTR. RF	5.39	4.79	14.01	42.62	4.79	4.30	.82	32.34	1.81	5.26		1.52	117.65
ROUGHEYE RF				1.03						2.31			3.34
SIL'GRAY RF	2.79	9.15	140.22	139.06	31.73	75.62	101.96	45.44	21.43	45.77	3.12	1.67	617.96
YEL'MOUTH R		30.64	55.57	131.52	16.87	49.71	6.89	3.55	19.70	41.76	7.96		364.17
YEL'TAIL RF			1.10	14.35	89.55	39.86	44.45	12.37	2.35	13.46		1.00	218.49
WIDOW RF							1.01	9.95	2.54				13.50
OTHER RF		.15	28.69	24.56	.07	10.10	16.58	1.23	1.77	12.40	1.48	.76	97.79
HAKE													
OCTOPUS		.05		.01		.01	.01		.01				.09
PERCH													
SKATE			.01	.33	1.89	.69	.82	3.29		.68			7.71
SQUID													
STURGEON													
MISC. SP.													
DOGFISH				1.81									1.81
REDUCTION			2.54	20.19	5.74	2.21	1.17	.70	.22	12.01			44.78
ANIMALFOOD	.98	.10	9.61	5.07	.71			9.18	1.08	5.27			32.00
TOTAL	48.15	155.13	757.54	1182.43	284.86	523.40	778.76	192.19	198.24	744.44	24.39	15.86	4905.39
CRAB													
DUMPED FISH			34.02										34.02
DISCARDS		13.61	99.79	10.43	16.33	13.97	12.02	96.98	31.75	4.08			298.96

TABLE 33. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 2BE.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	.91	.48	.61	.10	.03	.90	.72	.07	.76		.15		4.73
ROCK SOLE	.31	5.00	4.39	1.09	.39		4.24	2.30	.41		.56		18.69
PETRALE S.		1.20	.19	.10	.87	.02		.15	4.84	.62	.35		8.34
DOVER SOLE		.39		.74	2.42	.07	.33		1.04	.04			5.03
REX SOLE			.02	.37	.63								1.02
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT			.21	.10	9.83	.21				.23			10.58
STAR.FLDR													
OTHER FLAT.			.93										.93
PACIFIC COD		3.51	26.84	10.79	2.06	.03	3.31	.15	.59	.58	3.27		51.13
LINGCOD		3.59	2.43	.96	1.40	.77	9.43	2.27	13.41	.45	.67	.28	35.66
SABLEFISH		.02	.01	.09	.22	.20	.11			.26	.07	1.03	2.01
POLLOCK		.02	.01		.16								.19
OCEAN PERCH		61.88	64.23	68.65	135.59	71.42	1.17		9.06	52.23		1.29	465.52
BOCACCIO									3.26	4.10	20.51	1.08	28.95
CANARY RF					.31			.21	13.97	3.20	29.58	36.66	83.93
REDSTR. RF		11.34	6.07	72.20	20.50	.89			1.74			3.24	115.98
ROUGHEYE RF													
SIL'GRAY RF		199.76	236.20	37.69	89.73	5.06	4.51	1.89	25.83	14.78	14.58	2.16	632.19
YEL'MOUTH R		22.68	1.53	.04	2.51	1.46			2.18	6.62			37.02
YEL'TAIL RF			3.70				.18		.25	3.59			7.72
WIDOW RF		11.77	1.85						.87	1.25			15.74
OTHER RF		11.34	.01	.35	.14	.72	2.23		.20	.41			15.40
HAKE													
OCTOPUS		.10	.18	.01							.01		.30
PERCH													
SKATE		.13			.08			.45	.63	.01			1.30
SQUID													
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION		2.70	3.12				.68						6.50
ANIMALFOOD	.15	1.07	2.77	11.88	15.83	1.70		.09		2.50			35.99
TOTAL	1.37	336.98	355.30	205.16	282.70	83.45	26.91	7.58	79.04	90.87	69.75	45.74	1584.85
CRAB													
DUMPED FISH													
DISCARDS		13.61		28.35	7.26		7.03	13.61	11.79		2.72		84.37

1TABLE 34. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 5L.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	.77		4.28	2.54						2.61	.35		10.55
ROCK SOLE				.09					2.87	5.89			8.85
PETRALE S.	.05		.12	.18					1.08	1.03	1.14	.12	3.72
DOVER SOLE				.02						.32			.34
REX SOLE			.09										.09
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR										.49			.49
OTHER FLAT.													
PACIFIC COD	43.66	4.99	60.04	44.48					.79	1.83	3.38	1.88	161.05
LINGCOD	.23		2.38	2.57					.30	.84	3.39		9.71
SABLEFISH													
POLLOCK													
OCEAN PERCH													
BOCACCIO													
CANARY RF	.09		1.81						.12	.10	23.16	7.44	30.82
REDSTR. RF									.12	1.81	56.42	8.83	69.08
ROUGHEYE RF													
SIL'GRAY RF	.20	.05	3.09	3.36					11.98	5.99	28.22	5.24	58.13
YEL'MOUTH R											22.83	1.67	24.50
YEL'TAIL RF													
WIDOW RF										2.11			2.40
OTHER RF			.23	.06									
HAKE													
OCTOPUS			.03	.03									.06
PERCH													
SKATE										.22			.22
SQUID													
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION													
ANIMALFOOD										.09			.09
TOTAL	45.00	5.04	72.07	53.33					17.26	23.33	138.89	25.18	380.10
CRAB													
DUMPED FISH													
DISCARDS									2.27	4.54	17.69		24.50

1TABLE 35. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 6.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.													
ROCK SOLE													
PETRALE S.				.39					.81		.93	.12	2.25
DOVER SOLE									3.98		1.87		5.85
REX SOLE									.07				.07
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR													
OTHER FLAT.													
PACIFIC COD				4.03							.91		4.94
LINGCOD													
SABLEFISH											.08		.08
POLLOCK													
OCEAN PERCH									2.94				2.94
BOCACCIO				1.27							9.07	.76	11.10
CANARY RF				1.90					6.04		24.95	1.14	34.03
REDSTR. RF									2.01		2.67		4.68
ROUGHEYE RF													
SIL'GRAY RF				22.19					2.01		16.92	2.66	43.78
YEL'MOUTH R									.30				.30
YEL'TAIL RF									2.01		9.51	.57	12.09
WIDOW RF													
OTHER RF									.30				.30
HAKE													
OCTOPUS													
PERCH													
SKATE													
SQUID													
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION													
ANIMALFOOD													
TOTAL				29.78					20.47		66.91	5.25	122.41
CRAB													
DUMPED FISH													
DISCARDS									18.14		37.65		55.79

TABLE 36. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 1E.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.							4.40			.13			4.53
ROCK SOLE			1.15			.49				2.25	6.52	1.19	11.60
PETRALE S.		.16					.06			.27	.09		.58
DOVER SOLE							6.77			.56			7.33
REX SOLE							.78			.28			1.06
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT	.10						4.37			2.48	.21	.05	7.21
STAR.FLDR	.39		.04				.02			45.87	.35		46.67
OTHER FLAT.													
PACIFIC COD		.40	.61				1.99		.06	.36	1.49		4.91
LINGCOD		.14					.16			.10	.33	.01	.74
SABLEFISH							1.16		.51	.02			1.69
POLLOCK		.15					.90			.09	106.99	85.23	193.36
OCEAN PERCH							1.49			.22			1.71
BOCACCIO												.45	.45
CANARY RF							1.07					1.81	2.88
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF			.05							1.08	.09	.90	2.12
YEL'MOUTH R									.22				.22
YEL'TAIL RF										.60	7.70	4.68	12.98
WIDOW RF													
OTHER RF		.03					.70			.06			.79
HAKE													
OCTOPUS			.08							.01	.02	.01	.12
PERCH													
SKATE			.18				.25			1.25			1.68
SQUID													
STURGEON													
MISC. SP.			.32										.32
DOGFISH													
REDUCTION													
ANIMALFOOD							.25			.68	.74	.33	2.00
TOTAL	.49	.88	2.43			.49	24.37		.79	56.31	124.53	94.66	304.95
CRAB													
DUMPED FISH													
DISCARDS					2.72	2.27							4.99

TABLE 37. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 4.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	28.32	13.91	29.21	51.68	122.34	143.33	99.37	18.55	[illegible]52	8.89	6.23	4.19	532.54
ROCK SOLE	4.05	2.76	2.92	.94	6.39	4.99	2.73	.80	1.10	1.69	.57		28.94
PETRALE S.	.14	.05	.05	.06	.44	.32	.21	.03	.31	.11	.03	.07	1.82
DOVER SOLE	.08	.01		.08	24.36	75.66	257.16	59.37	119.75	60.80	.78	.25	598.30
REX SOLE	1.25	2.31	.28	.53	7.88	34.23	69.31	20.08	15.12	9.64	1.76	1.82	164.21
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT	2.84	6.74		1.50	18.46	53.79	235.45	69.28	64.54	18.54	12.71	3.13	486.98
STAR.FLDR	.13	.06		.11	.08	.22	.45	.06	.04	.10	.13	.15	1.53
OTHER FLAT.													
PACIFIC COD	44.94	55.35	33.26	26.05	76.84	124.86	84.76	11.86	26.71	17.88	20.54	5.67	528.72
LINGCOD	2.02	1.75	1.78	1.73	10.85	18.93	26.22	4.00	8.68	3.32	3.27	1.57	84.12
SABLEFISH					.36	.39	11.77	6.25	.94	2.41			22.12
POLLOCK	350.23	18.54	1.89	.26	2.09	6.12	24.51	7.00	1.44	59.21	280.15	222.97	974.41
OCEAN PERCH					.27	.10	18.45	3.98	.93	1.51	.04		25.28
BOCACCIO											.38	.49	.87
CANARY RF						.23							.23
REDSTR. RF								1.74					1.74
ROUGHEYE RF													
SIL'GRAY RF					.68	.16	2.49	2.49	3.14	3.04	.55	.04	12.59
YEL'MOUTH R													
YEL'TAIL RF	30.49	45.12	.17	.04	.28	.94	1.65	.22	1.67	5.82	10.40	27.67	124.47
WIDOW RF		7.35											7.35
OTHER RF	.14	.13	.05	.16	4.89	3.79	14.61	5.31	6.88	3.65	.05	.02	39.68
HAKE													
OCTOPUS	.36	.40	.04	.08	.09	.03	.01		.01		.02	.02	1.06
PERCH													
SKATE	13.56	18.65	1.57	6.60	9.95	7.84	12.03	5.89	4.25	2.20	7.60	4.19	94.33
SQUID										.02			.02
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION													
ANIMALFOOD	12.80	.90	.05	.66	7.01	8.32	38.74	7.50	4.44	8.40	5.95	1.00	95.77
TOTAL	491.34	174.03	71.27	90.48	293.26	484.25	899.92	224.41	266.47	207.23	351.16	273.25	3827.08
CRAB													
DUMPED FISH													
DISCARDS	16.33		32.98	89.81	189.60	132.00	15.88	41.28	9.98	19.96	2.27	6.80	556.89

TABLE 38. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 5U.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.	8.53	7.68	3.41	3.19	.56	.99	.50	1.27		1.04	4.93	.89	32.99
ROCK SOLE	.95	.76	1.41	2.27	.73			23.97	9.70	.84	1.47	1.30	43.40
PETRALE S.	.35	.15	.09	.11		.16				.16	3.12	1.08	5.22
DOVER SOLE	.04						5.95	2.19		5.29	.04		13.51
REX SOLE	3.20	.43	.25					.23		.56		.04	4.71
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT	.01	.06					.45	1.45		.29			2.26
STAR.FLDR								.01					.01
OTHER FLAT.													
PACIFIC COD	104.01	83.66	42.52	51.76	1.24	7.16	.27	.07	.09	.45	11.91	10.09	313.23
LINGCOD	1.33	1.79	.93	1.37		.47		.39	.06	.15	.76	.23	7.48
SABLEFISH								.82	.05	.08	.01		.96
POLLOCK								.69					.69
OCEAN PERCH								.35					.35
BOCACCIO		.19		.09		1.47				.94	1.44	.82	4.95
CANARY RF	.10							.05					.15
REDSTR. RF													
ROUGHEYE RF													
SIL'GRAY RF	.49	.38	.47	1.58						.32	.67	1.90	5.81
YEL'MOUTH R													
YEL'TAIL RF	.04	.12				.15		.05				6.83	7.19
WIDOW RF													
OTHER RF	.11	.03	.25				.65	.75	.22		.05		2.06
HAKE													
OCTOPUS	.46	.34	.36	.05							.04	.01	1.26
PERCH													
SKATE	2.81	4.41	.02	.14			.52	1.69	.46		.17	.14	10.36
SQUID													
STURGEON													
MISC. SP.													
DOGFISH		3.57											3.57
REDUCTION													
ANIMALFOOD							1.78	1.51					3.29
TOTAL	122.43	103.57	49.71	60.56	2.53	10.40	10.12	35.49	10.58	10.12	24.61	23.33	463.45
CRAB													
DUMPED FISH													
DISCARDS			1.36		9.98			27.22	15.88	2.90	23.13	5.44	85.91

TABLE 39. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 1W.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.						.05		.28				.18	.51
ROCK SOLE					1.82								1.82
PETRALE S.	3.85	.04	22.46	4.84	1.01	.16				.03	.17	.65	33.21
DOVER SOLE	35.02	8.28	42.47	27.44	35.05	15.90	.14	23.34	.25	3.87	.33	.10	192.19
REX SOLE	.45	.49	13.56	1.45	3.10	3.02		5.32		.51			27.90
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT	.75		1.91	1.05	.78	3.45				2.19			10.13
STAR.FLDR													
OTHER FLAT.													
PACIFIC COD	1.37	.88	.07	.02	.31	.19		4.01		.24	.69	.19	7.97
LINGCOD	2.69	.58	.32	.16	.86	1.72	.36	1.17	.26	.89	2.08	.51	11.60
SABLEFISH		7.71	1.77	2.08	3.96	18.46	1.08	.63	3.27	6.65	3.34	.29	49.24
POLLOCK	1.07							.45		.80			2.32
OCEAN PERCH	122.58	35.64	271.61	74.44	336.47	454.46	143.32	46.71	43.56	111.28	198.13	83.01	1921.21
BOCACCIO												.33	.33
CANARY RF				.23								3.43	3.66
REDSTR. RF	4.32	65.06	11.76	14.19	60.97	10.82	14.42		2.96	52.95	16.87	4.65	258.97
ROUGHEYE RF	67.67	15.99	39.32	104.10	72.26	71.94	3.61	1.13	43.24	34.42			453.68
SIL'GRAY RF	31.03	31.81	30.06	4.77	29.20	15.99	17.70	3.17	9.98	7.82	4.30	58.86	244.69
YEL'MOUTH R		8.80	.45	13.99	48.11	19.79	12.31	.23	5.46	38.02	31.94	.77	179.87
YEL'TAIL RF													
WIDOW RF					1.61	1.50	2.30						5.41
OTHER RF	6.09	2.15	15.38	3.49	47.00	14.24	3.47	1.27	.35	7.72	20.68	3.10	124.94
HAKE													
OCTOPUS													
PERCH													
SKATE						.01		.69		.01		.13	.84
SQUID	.03	.01				.04	.22			.05			.35
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION	1.96				7.26	6.20				17.47	10.07		42.96
ANIMALFOOD	.35	.81	8.65	1.16	15.00	13.90	.71		1.14	2.63			44.35
TOTAL	279.23	178.25	459.79	253.41	664.77	651.84	199.64	88.40	110.47	287.55	288.60	156.20	3618.15
CRAB													
DUMPED FISH													
DISCARDS			26.31								22.23	.75	49.29

TABLE 40. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 2AW.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.									.32				.32
ROCK SOLE		.03							.10				.13
PETRALE S.		.06			.01				1.30				1.37
DOVER SOLE				6.21	.09				.80	.14			7.24
REX SOLE		.13		.06	.18				.02				.39
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT		1.39		.27	.04				8.19	.04			9.93
STAR.FLDR		.03											.03
OTHER FLAT.													
PACIFIC COD	.44	.26		.07	.02				1.36				2.15
LINGCOD		.16		.01	.76				2.44				3.37
SABLEFISH		3.24	8.74	13.75	.54				4.10	.29			30.66
POLLOCK									.11				.11
OCEAN PERCH	42.29	26.16	13.71	56.47	112.77				151.24	52.42			455.06
BOCACCIO													
CANARY RF									5.77				5.77
REDSTR. RF	125.38	20.91	8.37	146.86	344.92				185.83	61.08	22.98		916.33
ROUGHEYE RF	22.11	14.26	13.58	36.15	9.20				45.22	16.82			157.34
SIL'GRAY RF	46.02	9.25	7.97	34.13	21.00				79.99	10.56	2.27		211.19
YEL'MOUTH R	17.57	24.40	.45	76.20	173.71				136.22	16.06	5.72		450.33
YEL'TAIL RF										5.30			5.30
WIDOW RF	1.60				13.82					5.30			20.72
OTHER RF	1.60	1.80	1.19	.19	11.98				1.28	.31			18.35
HAKE													
OCTOPUS	.09												.09
PERCH													
SKATE	.07	.01											.08
SQUID													
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION	.86												.86
ANIMALFOOD	.39	.97	.36	25.30	6.26				9.22	.21			42.71
TOTAL	258.42	103.06	54.37	395.67	695.30				633.51	168.53	30.97		2339.83
CRAB													
DUMPED FISH													
DISCARDS													

TABLE 41. 1985 BRITISH COLUMBIA TRAWL LANDINGS (T) OF GROUNDFISH FROM STATISTICAL AREA 2BW.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ENGLISH S.													
ROCK SOLE													
PETRALE S.		1.22											1.22
DOVER SOLE									.06				.06
REX SOLE													
BUTTER SOLE													
FLATHEAD S.													
SAND SOLE													
TURBOT													
STAR.FLDR													
OTHER FLAT.													
PACIFIC COD													
LINGCOD				.04									.04
SABLEFISH				.71					.25				.96
POLLOCK													
OCEAN PERCH		63.30	104.67	139.02	23.55				41.45				371.99
BOCACCIO													
CANARY RF													
REDSTR. RF		2.39											2.39
ROUGHEYE RF				.51									.51
SIL'GRAY RF			.89										.89
YEL'MOUTH R		7.18		17.00					2.18				26.36
YEL'TAIL RF													
WIDOW RF													
OTHER RF			.07	.06					.09				.22
HAKE													
OCTOPUS													
PERCH													
SKATE													
SQUID													
STURGEON													
MISC. SP.													
DOGFISH													
REDUCTION		2.13											2.13
ANIMALFOOD									.96				.96
TOTAL		76.22	105.63	157.34	23.55				44.99				407.73
CRAB													
DUMPED FISH													
DISCARDS													

OTHER GROUNDFISH FISHERIES

Groundfish landings in this category are those caught by longline, trap, handline, troll, and incidental to shrimp trawl. In 1985, these landings totalled 6,668 t, the same level as the 1984 catch. Sablefish (4,042 t), dogfish (901 t), rockfish (855 t), and lingcod (814 t) accounted for 99% of the catch by other gear. Catches by main species, gear type and major area are shown in Table 42.

No effort data are available for handline, troll, or the catches incidental to halibut longline and shrimp trawl. The catches for these gears were obtained from sales slips of the Statistics Division, Field Services Branch, Fisheries and Oceans.

Interviews were conducted with skippers of longline and trap vessels to obtain catch and effort data. In the longline fishery, 13% (by weight) of the total catch (1,715 t) was covered by these interviews. The target species for the longline fishery were dogfish (901 t) and sablefish (458 t). The dogfish fishery was conducted principally in the Strait of Georgia (Area 4B) and south Queen Charlotte Sound (Area 5A). These areas yielded 49% and 40%, respectively, of the total catch. The longline sablefish fishery took place mainly off the west coast of the Queen Charlotte Islands (Area 5E) with 56% caught from this area. Tables 43-50 show principal species landed by major area and month. Monitored longline data on catch and effort is not presented this year owing to the small number of interviews conducted. Longline landings by minor area in 1985 are given in Table 51.

Total trap landings in 1985 were 3,502 t, of which sablefish was the prominent species. The main areas of production were the southwest coast of Vancouver Island (Area 3C), north Queen Charlotte Sound (Area 5B), west coast of Queen Charlotte Islands (Area 5E) and northwest coast of Vancouver Island (Area 3D) accounting for 29%, 23%, 20%, and 18% respectivley. Trap landings of groundfish in 1985 by major area, month and species are presented in Tables 52-58. Eighty-one percent (by weight) of the trap landings were covered by interviews. Table 59 shows the monitored landings, effort and CPUE and the total landings by major area and month. A separation of the trap landings by species and minor area is given in Table 60.

Table 42. British Columbia landings (t, round weights) of groundfish caught by gear other than trawl in 1985 by major area and species.

Gear and species	Major area 4B	3C	3D	5A	5B	5C	5D	5E	Unknown	Total
Handline and troll										
Lingcod	127.87	189.75	171.02	22.48	15.97	17.66	61.81	16.46	-	623.02
Pacific cod	9.59	0.01	0.13	-	0.02	-	0.11	-	-	9.86
Rockfish	316.63	24.47	37.19	16.76	6.13	6.85	15.09	2.92	-	426.04
Misc. species	8.55	0.06	-	0.07	-	-	-	-	-	8.68
Incidental to halibut longline										
Lingcod	1.88	3.77	3.53	10.16	17.58	32.20	28.16	6.65	20.73	124.66
Pacific cod	-	0.05	-	-	-	0.01	0.54	-	0.12	0.72
Rockfish	4.65	3.82	4.37	13.84	11.51	27.65	21.14	7.09	50.16	144.23
Sablefish	-	0.67	-	0.19	9.79	11.43	19.69	5.10	35.88	82.75
Misc. species	0.50	0.60	0.10	0.40	1.97	1.52	0.27	-	1.42	6.78
Incidental to shrimp trawl										
Misc. sole	3.22	0.64	-	-	-	-	-	-	-	3.86
Lingcod	0.71	0.86	-	-	-	-	-	-	-	1.57
Pacific cod	2.05	0.04	-	-	-	-	-	-	-	2.09
Rockfish	9.35	4.69	-	-	-	-	-	-	-	14.04
Misc. species	3.66	-	-	-	-	-	-	-	-	3.66
Longline										
Dogfish	438.79	-	60.32	359.83	37.81	0.02	3.81	-	-	900.58
Lingcod	6.81	0.12	21.25	6.25	9.52	6.86	11.42	2.69	-	64.92
Pacific cod	0.49	-	-	0.17	-	-	0.42	-	-	1.08
Rockfish	79.84	4.83	107.45	15.97	8.09	3.40	33.96	17.25	-	270.79
Sablefish	-	117.01	42.40	-	-	-	43.09	255.81	-	458.31
Misc. species	16.04	-	1.60	0.74	-	-	0.66	-	-	19.04
Trap										
Lingcod	-	0.02	-	-	-	-	-	-	-	0.02
Rockfish	-	-	-	-	0.26	-	-	-	-	0.26
Sablefish	-	1020.29	616.90	238.28	815.86	63.54	36.10	710.34	-	3501.31
Total										
Dogfish	438.79	-	60.32	359.83	37.81	0.02	3.81	-	-	900.58
Lingcod	137.27	194.52	195.80	38.89	43.07	56.72	101.39	25.80	20.73	814.19
Pacific cod	12.13	0.10	0.13	0.17	0.02	0.01	1.07	-	0.12	13.75
Rockfish	410.47	37.81	149.01	46.57	25.99	37.90	70.19	27.26	50.16	855.36
Sablefish	-	1137.97	659.30	238.47	825.65	74.97	98.88	971.25	35.88	4042.37
Sole	3.22	0.64	-	-	-	-	-	-	-	3.86
Misc. species	28.75	0.66	1.70	1.21	1.97	1.52	0.93	-	1.42	38.16

Table 43. 1985 British Columbia longline landings (t) of groundfish--International Area 4B, Strait of Georgia.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dogfish	50.39	137.45	90.92	70.52	36.89	4.11	1.63	-	2.65	-	4.46	39.77	438.79
Lingcod	-	-	-	0.35	0.86	1.97	0.76	0.36	1.10	0.39	1.02	-	6.81
Pacific cod	-	0.02	0.05	0.03	-	-	-	-	0.37	-	-	0.02	0.49
Rockfish	7.01	11.13	6.27	8.45	3.65	12.30	3.21	2.76	8.70	3.46	5.66	7.24	79.84
Sablefish	-	-	-	-	-	-	-	-	-	-	-	-	-
Misc. species	0.04	0.06	5.87	0.80	0.03	0.47	2.70	-	0.10	2.37	3.51	0.09	16.04
Total	57.44	148.66	103.11	80.15	41.43	18.85	8.30	3.12	12.92	6.22	14.65	47.12	541.97

Table 44. 1985 British Columbia longline landings (t) of groundfish--International Area 3C, southwest coast of Vancouver Island.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dogfish	-	-	-	-	-	-	-	-	-	-	-	-	-
Lingcod	-	-	-	-	0.07	0.05	-	-	-	-	-	-	0.12
Pacific cod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	-	-	1.61	3.22	-	-	-	-	-	-	4.83
Sablefish	-	-	2.82	13.74	26.68	73.77	-	-	-	-	-	-	117.01
Misc. species	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	2.82	13.74	28.36	77.04	-	-	-	-	-	-	121.96

Table 45. 1985 British Columbia longline landings (t) of groundfish--International Area 3D, northwest coast of Vancouver Island.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dogfish	-	-	4.55	-	1.61	-	-	16.69	-	14.56	-	22.91	60.32
Lingcod	0.31	-	5.77	0.81	4.41	1.59	1.30	1.02	1.00	1.26	-	3.78	21.25
Pacific cod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	1.73	-	15.88	1.66	12.28	3.04	10.78	30.59	14.02	13.43	-	4.04	107.45
Sablefish	-	-	10.34	14.58	-	4.12	-	13.36	-	-	-	-	42.40
Misc. species	-	-	1.16	0.07	0.04	0.16	0.07	-	0.09	-	-	0.01	1.60
Total	2.04	-	37.70	17.12	18.34	8.91	12.15	61.66	15.11	29.25	-	30.74	233.02

Table 46. 1985 British Columbia longline landings (t) of groundfish--International Area 5A, south Queen Charlotte Sound.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dogfish	91.32	183.33	48.87	8.92	-	-	-	-	-	4.48	-	22.91	359.83
Lingcod	0.20	0.35	-	0.23	-	0.66	-	-	0.82	2.43	0.17	1.39	6.25
Pacific cod	0.14	0.03	-	-	-	-	-	-	-	-	-	-	0.17
Rockfish	0.35	0.51	-	1.60	-	1.35	-	-	2.87	5.98	1.13	2.18	15.97
Sablefish	-	-	-	-	-	-	-	-	-	-	-	-	-
Misc. species	0.14	0.41	-	-	-	-	-	-	0.01	0.13	0.05	-	0.74
Total	92.15	184.63	48.87	10.75	-	2.01	-	-	3.70	13.02	1.35	26.48	382.96

Table 47. 1985 British Columbia longline landings (t) of groundfish--International Area 5B, north Queen Charlotte Sound.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dogfish	-	-	-	-	-	-	-	-	-	-	37.81	-	37.81
Lingcod	-	-	-	-	-	0.26	-	-	-	-	9.26	-	9.52
Pacific cod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	-	-	-	0.94	-	-	-	-	7.15	-	8.09
Sablefish	-	-	-	-	-	-	-	-	-	-	-	-	-
Misc. species	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	1.20	-	-	-	-	54.22	-	55.42

Table 48. 1985 British Columbia longline landings (t) of groundfish--International Area 5C, south Hecate Strait.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dogfish	-	-	-	-	-	-	-	-	-	-	-	0.02	0.02
Lingcod	-	-	-	5.13	0.28	1.45	-	-	-	-	-	-	6.86
Pacific cod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	-	2.11	-	1.29	-	-	-	-	-	-	3.40
Sablefish	-	-	-	-	-	-	-	-	-	-	-	-	-
Misc. species	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	7.24	0.28	2.74	-	-	-	-	-	0.02	10.28

Table 49. 1985 British Columbia longline landings (t) of groundfish--International Area 5D, north Hecate Strait.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dogfish	-	3.81	-	-	-	-	-	-	-	-	-	-	3.81
Lingcod	0.10	0.03	-	0.93	0.76	4.13	1.36	0.48	0.98	2.65	-	-	11.42
Pacific cod	-	0.02	-	-	-	-	0.19	0.21	-	-	-	-	0.42
Rockfish	0.06	0.04	-	1.08	0.59	10.21	12.49	2.42	5.04	0.71	-	1.32	33.96
Sablefish	-	-	-	-	1.69	41.18	-	0.22	-	-	-	-	43.09
Misc. species	-	0.10	-	-	-	-	0.01	-	-	0.55	-	-	0.66
Total	0.16	4.00	-	2.01	3.04	55.52	14.05	3.33	6.02	3.91	-	1.32	93.36

Table 50. 1985 British Columbia longline landings (t) of groundfish--International Area 5E, west coast of Queen Charlotte Islands.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dogfish	-	-	-	-	-	-	-	-	-	-	-	-	-
Lingcod	-	-	-	0.55	-	-	-	-	-	2.14	-	-	2.69
Pacific cod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	3.87	0.36	6.64	3.58	-	-	-	2.80	-	-	17.25
Sablefish	-	-	40.01	-	81.11	134.69	-	-	-	-	-	-	255.81
Misc. species	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	43.88	0.91	87.75	138.27	-	-	-	4.94	-	-	275.75

Table 51. British Columbia longline landings (t) by species and minor area in 1985.

Species	Minor area													
	12	13	14	15	16	17	18	19	20	29	21	23	24	25
Dogfish	4.95	3.40	23.08	-	2.55	3.93	398.61	-	-	2.27	-	-	-	10.63
Lingcod	0.63	0.01	0.01	0.18	0.17	4.51	0.49	0.37	0.44	-	0.05	-	0.07	0.55
Pacific cod	-	-	-	-	-	0.10	0.39	-	-	-	-	-	-	-
Rockfish	2.41	2.35	3.98	5.40	14.74	43.09	6.44	1.18	0.25	-	-	-	4.83	18.69
Sablefish	-	-	-	-	-	-	-	-	-	-	-	52.43	64.58	8.82
Misc. species	-	-	-	-	0.03	0.30	15.59	0.03	-	0.09	-	-	-	-
Total	7.99	5.76	27.07	5.58	17.49	51.93	421.52	1.58	0.69	2.36	0.05	52.43	69.48	38.69

Species	Minor area												Total
	26	27	11	8	2BE	5L	1E	4	5U	1W	2AW	2BW	
Dogfish	6.06	43.63	359.83	37.81	0.02	-	-	3.81	-	-	-	-	900.58
Lingcod	0.34	20.36	6.25	9.52	1.33	5.53	4.80	3.97	2.65	-	2.14	0.55	64.92
Pacific cod	-	-	0.17	-	-	-	0.21	0.21	-	-	-	-	1.08
Rockfish	10.47	78.29	15.97	8.09	0.73	2.67	17.25	15.41	1.30	6.15	10.25	0.85	270.79
Sablefish	23.55	10.03	-	-	-	-	38.86	4.23	-	43.45	203.66	8.70	458.31
Misc. species	-	1.60	0.74	-	-	-	0.11	-	0.55	-	-	-	19.04
Total	40.42	153.91	382.96	55.42	2.08	8.20	61.23	27.63	4.50	49.60	216.05	10.10	1714.72

Table 52. 1985 British Columbia trap landings (t) of groundfish--International Area 3C, southwest coast of Vancouver Island.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Lingcod	-	-	-	-	-	0.02	-	-	-	-	-	-	0.02
Rockfish	-	-	-	-	-	-	-	-	-	-	-	-	-
Sablefish	-	92.38	180.99	53.58	345.27	338.58	-	-	-	-	-	9.49	1020.29
Total	-	92.38	180.99	53.58	345.27	338.60	-	-	-	-	-	9.49	1020.31

Table 53. 1985 British Columbia trap landings (t) of groundfish--International Area 3D, northwest coast of Vancouver Island.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Lingcod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	-	-	-	-	-	-	-	-	-	-	-
Sablefish	-	-	161.29	25.65	222.64	191.77	-	-	-	-	-	15.55	616.90
Total	-	-	161.29	25.65	222.64	191.77	-	-	-	-	-	15.55	616.90

Table 54. 1985 British Columbia trap landings (t) of groundfish--International Area 5A, south Queen Charlotte Sound.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Lingcod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	-	-	-	-	-	-	-	-	-	-	-
Sablefish	-	-	64.86	-	101.81	69.47	-	-	-	-	-	2.14	238.28
Total	-	-	64.86	-	101.81	69.47	-	-	-	-	-	2.14	238.28

Table 55. 1985 British Columbia trap landings (t) of groundfish--International Area 5B, north Queen Charlotte Sound.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Lingcod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	-	-	-	0.26	-	-	-	-	-	-	0.26
Sablefish	-	-	223.38	22.88	230.49	336.61	-	-	-	-	-	2.50	815.86
Total	-	-	223.38	22.88	230.49	336.87	-	-	-	-	-	2.50	816.12

Table 56. 1985 British Columbia trap landings (t) of groundfish--International Area 5C, south Hecate Strait.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Lingcod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	-	-	-	-	-	-	-	-	-	-	-
Sablefish	-	-	29.46	-	-	34.08	-	-	-	-	-	-	63.54
Total	-	-	29.46	-	-	34.08	-	-	-	-	-	-	63.54

Table 57. 1985 British Columbia trap landings (t) of groundfish--International Area 5D, north Hecate Strait.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Lingcod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	-	-	-	-	-	-	-	-	-	-	-
Sablefish	-	-	-	12.99	23.11	-	-	-	-	-	-	-	36.10
Total	-	-	-	12.99	23.11	-	-	-	-	-	-	-	36.10

Table 58. 1985 British Columbia trap landings (t) of groundfish--International Area 5E, west coast Queen Charlotte Islands.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Lingcod	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockfish	-	-	-	-	-	-	-	-	-	-	-	-	-
Sablefish	-	-	404.27	-	176.93	116.87	-	-	-	-	-	12.27	710.34
Total	-	-	404.27	-	176.93	116.87	-	-	-	-	-	12.27	710.34

Table 59. Total landings (t), monitored landings (t), and monitored effort (traps) for the British Columbia trap fleet in 1985.

	Major area											
	3C				3D				5A			
	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)
January	-	-	-	-	-	-	-	-	-	-	-	-
February	92.38	42.38	3000	0.014	-	-	-	-	-	-	-	-
March	180.99	111.14	4050	0.027	161.29	150.38	7785	0.019	64.86	64.86	3440	0.019
April	53.58	-	-	-	25.65	-	-	-	-	-	-	-
May	345.27	264.05	16050	0.016	222.64	222.64	13530	0.016	101.81	73.20	4320	0.017
June	338.60	203.95	17900	0.011	191.77	143.95	11515	0.013	69.47	69.47	4900	0.014
July	-	-	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-	-
September	-	-	-	-	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-
December	9.49	9.49	925	0.010	15.55	15.55	1605	0.010	2.14	2.14	165	0.013
Total	1020.31	631.01	41925	0.015	616.90	532.52	34435	0.015	238.28	209.67	12825	0.016

Table 59 (cont'd)

	Major area											
	5B				5C				5D			
	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)
January	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-
March	223.38	195.51	8820	0.022	29.46	29.46	5000	0.006	-	-	-	-
April	22.88	-	-	-	-	-	-	-	-	-	-	-
May	230.49	230.49	11400	0.020	-	-	-	-	12.99	-	-	-
June	336.87	298.95	13050	0.023	34.08	-	-	-	23.11	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-	-
September	-	-	-	-	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-
December	2.50	2.50	165	0.015	-	-	-	-	-	-	-	-
Total	816.12	727.45	33435	0.022	63.54	29.46	5000	0.006	36.10	-	-	-

Table 59 (cont'd)

	Major area							
	5E				Total			
	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)
January	-	-	-	-	-	-	-	-
February	-	-	-	-	92.38	42.38	3000	0.014
March	404.27	404.27	13030	0.031	1064.25	955.62	42125	0.023
April	-	-	-	-	115.10	-	-	-
May	176.93	176.93	12800	0.014	1100.25	967.31	58100	0.017
June	116.87	116.87	9970	0.012	1087.66	833.19	57335	0.015
July	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-
September	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-
December	12.27	12.27	495	0.025	41.95	41.95	3355	0.013
Total	710.34	710.34	36295	0.020	3501.59	2840.45	163915	0.017

Table 60. British Columbia trap landings (t) by species and minor area in 1985.

Species	Minor area						
	23	24	25	26	27	11	8
Lingcod	0.02	-	-	-	-	-	-
Rockfish	-	-	-	-	-	-	0.26
Sablefish	686.67	333.62	312.08	153.65	151.17	238.28	815.86
Total	686.69	333.62	312.08	153.65	151.17	238.28	816.12

Species	Minor area						
	5L	6	5U	1W	2AW	2BW	Total
Lingcod	-	-	-	-	-	-	0.02
Rockfish	-	-	-	-	-	-	0.26
Sablefish	44.94	18.60	36.10	10.80	550.09	149.45	3501.31
Total	44.94	18.60	36.10	10.80	550.09	149.45	3501.59

JOINT-VENTURE/FOREIGN FISHERIES

Since 1978, Canadian trawlers have participated in joint-venture fisheries. Canadian catcher vessels deliver Pacific hake and incidental species to foreign processing vessels in cooperative fishing arrangements. These fisheries take place off the southwest coast of Vancouver Island (Area 3C). These data are separated from the domestic landings because the joint-venture and foreign catches (converted from processed weight) are reported by the foreign processing vessels and cannot be verified by weight tallies.

In 1985, twenty-two Canadian catcher vessels delivered 13,306 t of Pacific hake to six Polish processing vessels.

Other countries have conducted fisheries for Pacific hake off the southwest coast of Vancouver Island for several years. Several of the processing vessels involved in the joint-venture fishery occasionally fished directly (supplemental fishing) when Canadian domestic vessels could not supply sufficient quantities of Pacific hake. This supplemental catch is added to the national catch.

In 1985, six Polish vessels caught 9,628 t (national catch) and 906 t (supplemental catch) of Pacific hake. The joint-venture and foreign catches of groundfish for 1985 are presented in Table 61.

Table 61. Joint-venture and foreign catches[a] (t) of groundfish from International Area 3C--southwest coast of Vancouver Island in 1985.

Nation and species	Joint-venture	National	Supplemental	Total
Poland				
Pacific hake	13,306	9,628	906	23,840
Pollock	78	-	2	80
Rockfish	21	104	5	130
Other	10	2	1	13
Total	13,415	9,734	914	24,063

[a]Catches (converted from processed weight) are reported by foreign processing vessels and cannot be verified by weight tallies.

CATCHES BY INPFC AREA

This report is also produced to satisfy requirements of committees of the International North Pacific Fisheries Commission (INPFC) (Canada, Japan and United States). To complement the previous tables, groundfish landings in metric tonnes(t) are presented in Tables 62-64 for trawl and other gears according to INPFC areas. The relationship between these INPFC areas and the major areas used in the first portion of this report is as follows:

INPFC Area	Major Area	Latitude
Charlotte	5A, 5B, 5C, 5D, 5E[5]	50°30'N - 54°30'N
Vancouver	3B[6], 3C[6], 3D, 4B[7]	47°30'N - 50°30'N

[5]Northernmost 10 miles actually in Southeastern.
[6]Southernmost 10 miles actually in Columbia.
[7]Inside waters (Strait of Georgia).

Table 62. British Columbia landings[a] (t) of groundfish taken by all types of gear in 1985 by INPFC area.

Species	INPFC area			
	Vancouver	Charlotte	Unknown	Total
English sole	81.46	610.44	-	691.90
Rock sole	91.06	338.63	-	429.69
Petrale sole	198.36	137.19	-	335.55
Dover sole	106.07	857.37	-	963.44
Rex sole	2.53	202.13	-	204.66
Starry flounder	17.35	48.95	-	66.30
Turbot	151.23	612.48	-	763.71
Other flatfish	148.95	11.82	-	160.77
Pacific cod	967.14	1374.63	0.12	2341.89
Lingcod	4351.22	1295.69	20.73	5667.64
Sablefish	1896.51	2342.93	35.88	4275.32
Pollock	722.81	1172.46	-	1895.27
Hake	6054.57	-	-	6054.57
Pacific ocean perch	555.81	5513.57	-	6069.38
Other rockfish	3872.29	7787.01	50.16	11709.46
Misc. species	55.66	134.94	1.42	192.02
Dogfish	2356.93	458.36	-	2815.29
Animal food	51.10	257.80	-	308.90
Reduction	112.69	100.97	-	213.66
Total	21,793.74	23,257.37	108.31	45,159.42

[a]Does not include catches from joint-venture or foreign fishery, see Table 61.

Table 63. British Columbia trawl landings (t) of groundfish in 1985 by INPFC area.

Species	INPFC area		Total
	Vancouver	Charlotte	
English sole	81.46	610.44	691.90
Rock sole	91.06	338.63	429.69
Petrale sole	198.36	137.19	335.55
Dover sole	106.07	857.37	963.44
Rex sole	2.53	202.13	204.66
Starry flounder	17.35	48.95	66.30
Turbot	151.23	612.48	763.71
Other flatfish	145.09	11.82	156.91
Pacific cod	954.78	1373.36	2328.14
Lingcod	3823.63	1029.82	4853.45
Sablefish	99.24	133.71	232.95
Pollock	722.81	1172.46	1895.27
Hake	6054.57	-	6054.57
Pacific ocean perch	555.81	5513.57	6069.38
Other rockfish	3275.00	7579.10	10854.10
Misc. species	24.55	129.31	153.86
Dogfish	1857.82	56.89	1914.71
Animal food	51.10	257.80	308.90
Reduction	112.69	100.97	213.66
Total	18,325.15	20,166.00	38,491.15

Table 64. British Columbia landings (t) of groundfish caught by gear other than trawl in 1985 by INPFC area.

Gear and species	INPFC area			
	Vancouver	Charlotte	Unknown	Total
Handline and troll				
Lingcod	488.64	134.38	-	623.02
Pacific cod	9.73	0.13	-	9.86
Rockfish	378.29	47.75	-	426.04
Misc. species	8.61	0.07	-	8.68
Incidental to halibut longline				
Lingcod	9.18	94.75	20.73	124.66
Pacific cod	0.05	0.55	0.12	0.72
Rockfish	12.84	81.23	50.16	144.23
Sablefish	0.67	46.20	35.88	82.75
Misc. species	1.20	4.16	1.42	6.78
Incidental to shrimp trawl				
Misc. sole	3.86	-	-	3.86
Lingcod	1.57	-	-	1.57
Pacific cod	2.09	-	-	2.09
Rockfish	14.04	-	-	14.04
Misc. species	3.66	-	-	3.66
Longline				
Dogfish	499.11	401.47	-	900.58
Lingcod	28.18	36.74	-	64.92
Pacific cod	0.49	0.59	-	1.08
Rockfish	192.12	78.67	-	270.79
Sablefish	159.41	298.90	-	458.31
Misc. species	17.64	1.40	-	19.04
Trap				
Lingcod	0.02	-	-	0.02
Rockfish	-	0.26	-	0.26
Sablefish	1637.19	1864.12	-	3501.31
Total	3468.59	3091.37	108.31	6668.27

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